

Biological Conservation

An International Journal devoted to the study and understanding of wildlife conservation and allied natural resources for the lasting cultural and economic welfare of mankind

UNIVERSITY OF HAWAII
LIBRARY

CUMULATIVE INDEXES

1968 — 1974

INCLUSIVE

Edited by

ERIC DUFFEY

(Monks Wood Experimental Station, Institute of Terrestrial Ecology)

APPLIED SCIENCE PUBLISHERS

- History & Development
- Man & Environment
- Biosphere Maintenance
- Ecosystem Disturbance
- Population Dynamics
- 'Threatened' Species
- Nature Reserves & National Parks
- Botanical/Zoological Gardens
- Introduction & Acclimatization
- Aliens vs. Indigenes
- Economics & Administration
- Legislation and Enforcement
- Enlightened Supervision
- Education & Training
- International Implications
- Marine Resources Conservation
- Fresh Waters & 'Wetlands'
- Special Habitats/Biocoenoses
- Conservation Experiments
- Relationships with Land-use
- Ecological Basis Essential
- Chemical Application Dangers
- Dumping, etc., Disposal Problems
- Pollution/Erosion, etc., Scourges
- Vegetational Desecration/Recovery
- Soil & Water Conservation
- Tourism & Recreation Effects
- Preservation & Management
- Creative Conservation Planning
- Conservational Successes/Prospects

BIOLOGICAL CONSERVATION

CUMULATIVE INDEXES

1968-1974

INCLUSIVE

EDITED BY

ERIC DUFFEY



APPLIED SCIENCE PUBLISHERS LTD
LONDON

APPLIED SCIENCE PUBLISHERS LTD
RIPPLE ROAD, BARKING, ESSEX, ENGLAND

© APPLIED SCIENCE PUBLISHERS LTD 1975

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publishers, Applied Science Publishers Ltd, Ripple Road, Barking, Essex, England

Printed in Great Britain by Galliard (Printers) Ltd Great Yarmouth

INTRODUCTION

The first six volumes of *Biological Conservation* covered by this index span a period of active development in the environmental sciences. It is perhaps surprising that no journal with similar objectives was founded before 1968 in view of the widespread interest in this subject and the difficulty which authors had in finding a means of putting their work and opinions before a public audience. The publishers and the first editor, Professor Nicholas Polunin, rightly judged that there would be an increasing demand from people in many countries for more information on events, activities and new discoveries in the environmental sciences which affect both man and wildlife. Thirty wide-ranging subjects were listed on the front cover of the first six volumes of the journal and although one of these—pollution—became the concern of the sister journal, *Environmental Pollution*, in 1970, a great variety of interests found a place in the contents, from research and experiment to education, legislation and impact of tourism, and including publications of relevance to research workers, amateur biologists, planners, architects, local government officials and economists. The journal also provided a means for reporting current conservation activities in *Conservation Around the World*.

The index which has now been prepared covers all types of contribution published during the period 1968–74. The tremendously wide range of subjects dealt with meant that only major topics and concepts could be included, and single references to a plant, animal, institution, etc., may only be indexed if they form the main subject of a paper, or occur repeatedly in other articles.

The achievement of Volumes 1 to 6 was to produce reports on events, trends and ideas on almost every aspect of conservation from all parts of the world together with authoritative reviews. Gradually other journals have entered this field of reporting and at the same time the volume of research has increased, many more papers being offered for publication which are not appropriate to existing scientific journals. The new role of *Biological Conservation* is to provide these facilities and so contribute to the establishment of conservation ecology as a science in its own right.

The change of format and of editorial policy provided a convenient opportunity to produce an index to cover the initial period of the journal in its original format.

The index is in three parts:

1. AUTHOR INDEX, under senior author with cross-references to co-authors. This covers main papers, *Conservation Around the World*, and short communications.
2. SUBJECT INDEX. This includes plants and animals, places such as National Parks and Nature Reserves, and a wide range of environmental topics. Only important references to countries are given.
3. CONFERENCES AND MEETINGS which received reports in the journal.

ERIC DUFFEY

October 1975

AUTHOR INDEX

Author Index

- AKINTOLA, GANIYU A. & SANFORD, WILLIAM W. The problem of biochemical conservation: A preliminary study of phenolic compounds in the leaves of *Azelia africana* as an example 1 233-5
- ALAWI, ADNAN A. See HADDADIN, MUWAFFAK J. & ALAWI, ADNAN A.
- ALBL, PETER. Studies on assessment of physical conditions in African elephants 3 134-40
- ALDRICH, JAMES L., FREEMAN, PETER H. & MILTON, JOHN P. THRESHOLD: An international centre for environmental renewal 5 5-6
- ALEXANDER, MARTIN. Environmental consequences of increasing food production 5 15-19
- ALEXANDER, MARTIN. Lunar and Martian quarantine 2 169-70
- ALLEN, ALAN A. & MIKOLAJ, PAUL G. Natural oil seepage at Coal Oil Point, Santa Barbara, California 4 106-8
- ALLEN, DAVID G. See BOWES, ANNE LABASTILLE & ALLEN, DAVID G.
- ALON, AZARIA. Saving the wild flowers of Israel 5 150-1
- AMANTE, LONGINO CONTOLI. The National League against the destruction of Birds, Italy 2 143-4
- ANDERSON, E. N. Beginnings of a radical ecological movement 3 298
- ANDERSON, EUGENE N. A case study in conservation politics: California's coastline initiative 5 160-2
- ANDERSON, EUGENE N. Radical ecology: Notes on a conservation movement 4 285-91
- ANGELO, HOMER G. International Council of Environmental Law 4 175-6
- APPELL, GEORGE N. Research Committee and Bulletin for Borneo 2 303
- ARBUTHNOTT, THE VISCOUNT OF. Conservation and land management 1 49-53
- ASIBEY, EMMANUEL O. A. Wildlife as a source of protein in Africa south of the Sahara 6 32-9
- ATAPATTU, SHELTON & WICKREMASINGHE, CHRISTIE S. Sri Lanka's Gal Oya National Park: Aspects and prospects 6 219-22
- ATTWELL, ROELF I. G. Some effects of Lake Kariba on the ecology of a floodplain of the mid-Zambezi valley of Rhodesia 2 189-96
- BACON, PETER R. Studies on the Leatherback Turtle, *Dermochelys coriacea* (L.), in Trinidad, West Indies 2 213-7
- BAER, JEAN G. Aperçu historique de la protection de la nature 1 7-11
- BAKER, J. M. See COWELL, E. B. & BAKER, J. M.
- BALLY, PETER R. O. The *Cordeauxia* Project in Ethiopia 1 85-6
- BALLY, PETER R. O. The Mutomo Hill Plant Sanctuary, Kenya 1 90-1
- BARCLAY-SMITH, PHYLLIS. The International Council for Bird Preservation 5 290-1
- BARRETT, BURDETTE E. See SASNER, JOHN, IKAWA, MIYOSIH & BARRETT, BURDETTE E.
- BATISSE, MICHEL. Man and the Biosphere: An international research programme 4 1-6
- BAUER, EDGAR. See LABASTILLE, ANNE, OVIDIO, JOSE & BAUER, EDGAR
- BAYFIELD, NEIL G. Burial of vegetation by erosion debris near ski lifts on Cairngorm, Scotland 6 246-51
- BEAMISH, TUFTON. The Paradise Flycatcher, Seychelles 4 311-3
- BEDFORD, W. BRIAN. See JENKINS, ROBERT E. & BEDFORD, W. BRIAN
- BEEBEE, TREVOR J. C. Observations concerning the decline of the British Amphibia 5 20-24
- BELL, KATHERINE L. & BLISS, LAWRENCE C. Alpine disturbance studies: Olympic National Park, USA 5 25-32
- BELLAMY, DAVID J. & PRITCHARD, TOM. Project 'Telma': A scientific framework for conserving the world's peatlands 5 33-40
- BELTERMAN, TH. & DE VRIES, R. Aftermath of an oil-spill in the Amer River, Holland 4 146-8
- BELTRAN, ENRIQUE. Crocodile conservation: Two Mexican projects 1 180-9

- BENNETT, DERICKSON W. See CLARK, JOHN R. & BENNETT, DERICKSON W.
- BENTHEM, ROELOF J. Changing the countryside by land consolidation 1 209-12
- BENTHEM, ROELOF J. Creative conservation 1 11-12
- BENTHEM, ROELOF J. Recreational and environmental planning 5 1-5
- BERNRIEDER, CATHERINE. The Salzburg Zoological Gardens, Hellbrunn and their Griffon Vultures 1 172
- BERRA, T. M. The Trout Cod, *Muccullochella macquariensis*, a rare freshwater fish of Eastern Australia 6 53-6
- BERRY, PHILLIP S. Corporate responsibility and the environment 3 163
- BERWICK, E. J. H. The International Union for Conservation of Nature and Natural Resources: Current activities and situation 1 191-9
- BERWICK, E. J. H. The Latin-American Conference on the Conservation of Renewable Natural Resources 1 79-82
- BIELOUSOVA, L. S. & DENISOVA, L. V. Protection de la flore en URSS 2 218-20
- BIJLEVELD, M. F. I. J. See KOEMAN, J. H., HADDERINGH, R. H. & BIJLEVELD, M. F. I. J.
- BLACKWOOD, J. W. & TUBBS, C. R. A quantitative survey of chalk grassland in England 3 1-5
- BLACKWOOD, J. W. See TUBBS, C. R. & BLACKWOOD, J. W.
- BLISS, LAWRENCE C. Devon Island, Canada, high-arctic ecosystem 3 229-31
- BLISS, LAWRENCE C. See BELL, KATHERINE L. & BLISS, LAWRENCE C.
- BLOOD, D. A. Peregrine Falcon surveys in coastal British Columbia 1 250-1
- BODEN, R. W. Kangaroo management in Australia: The present position 5 298-9
- BODEN, R. W. & OVINGTON, J. D. Recreation use-patterns and their implications for management of conservation areas 5 265-70
- BOKDAM, J. See GEERLING, C. & BOKDAM, J.
- BOLTON, MELVIN. Conservation in Ethiopia's Rift Valley 3 66-8
- BOLTON, MELVIN. Ethiopia: Last chance for Swayne's Hartebeest 3 147-9
- BONNER, W. N., VAUGHAN, R. W. & JOHNSTON, L. The status of Common Seals in Shetland 5 185-90
- BOOTE, ROBERT E. L'Année Européenne de la Conservation de la Nature 1970 et l'Europe de demain 2 299
- BORGSMANN, CARL W. See COONEY, THOMAS E. & BORGSMANN, CARL W.
- BOTKIN, DANIEL B. See MILLER, RICHARD S., BOTKIN, DANIEL B. & MENDELSSOHN, ROY
- BOURNE, W. R. P. The decline of Auks in Great Britain 4 144-6
- BOURNE, W. R. P. Oil pollution and bird conservation 2 300-2
- BOURNE, W. R. P. & SMITH, A. J. M. Threats to Scottish Sandwich Terns 6 222-4
- BOWES, ANNE LABASTILLE & ALLEN, DAVID G. Biology and conservation of the Quetzal 1 297-306
- BOYLE, C. L. Oil pollution of the sea: Is the end in sight? 1 319-27
- BRADLEY, MICHAEL D. Residuals management and environmental quality 5 215-9
- BRASSARD, G. R., FROST, STANLEY, LAIRD, MARSHALL, OLSEN, O. A. & STEELE, D. H. Studies of the spray zone of Churchill Falls, Labrador 4 13-18
- BRINKMANN, W. L. F. & SANTOS, U. DE M. Heavy fish-kill in unpolluted floodplain lakes of Central Amazonia 5 147-8
- BROWN, G. H. H. The conservation situation in Ethiopia 2 293-8
- BROWN, LESLIE H. The biology of pastoral man as a factor in conservation 3 93-100
- BROWN, LESLIE H. Ethiopia's wildlife conservation programme 1 332-4
- BRUNELLE, RENE. Polar Bear Provincial Park, Ontario 2 147-9
- BRYSON, REID A. See WENDLAND, WAYNE M. & BRYSON, REID A.
- BUDOWSKI, GERARDO. Parc national de la Vanoise en France 3 106
- BURHENNE, W. E. The African Convention for the Conservation of Nature and Natural Resources 2 105-14
- BURHENNE, W. E. An international environmental law information system 5 309-10
- BURHENNE, WOLFGANG E. Draft Convention on the import, export, and transit, of certain species 1 61-2
- BURHENNE, W. E. & GUILMIN, F. L'Union inter-parlementaire et les ressources naturelles: Rapport d'ensemble après les documents officiels de l'Union 1 135-41
- BURHENNE, W. E. & GUILMIN, F. L'Union inter-parlementaire et les ressources naturelles: Rapport d'ensemble d'après les documents officiels de l'Union (suite) 2 31-4
- BURNETT-HERKES, JAMES. Returns of Green Sea Turtles (*Chelonia mydas* Linnaeus) tagged at Bermuda 6 307-8
- BURTON, MAURICE. Man and the animals 1 48
- BURY, R. BRUCE. See BUSACK, STEPHEN D. & BURY, R. BRUCE
- BUSACK, STEPHEN D. & BURY, R. BRUCE. Some effects of off-road vehicles and sheep grazing on lizard populations in the Mojave Desert 6 179-83

- BUTLER, G. C., KAROL, I. L., LINDELL, B. G., STEVENS, D. J. & ZELENY, V. Assessment and control of environmental contamination: Experience with artificial radioactivity 4 177-84
- BUTTERFIELD, JAMES. Morwellham—a venture in recreation, education, and conservation 3 91-2
- CAIN, STANLEY A. The importance of ecological studies as a basis for land-use planning 1 33-6
- CAMERON, JOHN F. Canadian Government announces \$5,000,000 fund for federal-provincial crop depredation programme 5 60
- CAMERON, JOHN F. Co-ordinating the approach to humane trapping in Canada 6 61-2
- CAMERON, JOHN F. Natural substances suspected of killing birds in British Columbia 4 223
- CAMPBELL, A. C. The National Park and Reserve system in Botswana 5 7-14
- CAMPBELL, ANDREW C. & ORMOND, RUPERT F. G. The threat of the 'Crown-of-Thorns' Starfish (*Acanthaster planci*) to coral reefs in the Indo-Pacific area and observations on a normal population in the Red Sea 2 246-52
- CANNING, D. M. Upper Lakes study under way in North America 5 152
- CARBYN, L. N. Wolf population fluctuations in Jasper National Park, Alberta, Canada 6 94-101
- CARDING, TONY. Continued excessive Harp sealing for skins 2 265
- CARDING, TONY. World Federation for Protection of Animals 2 62
- CARR, ARCHIE & CARR, MARJORIE H. Recruitment and remigration in a Green Turtle nesting colony 2 282-4
- CARR, ARCHIE & SWEAT, DONALD. Long-range recovery of a tagged yearling *Chelonia* on the east coast of North America 1 341-2
- CARR, MARJORIE H. See CARR, ARCHIE & CARR, MARJORIE H.
- CARTHY, J. D. The Field Studies Council 1 240
- CEROVSKY, JAN. Environmental education in the school curriculum 3 301-2
- CHALLINOR, DAVID & WINGATE, DAVID B. The struggle for survival of the Bermuda Cedar 3 220-2
- CHAPMAN, D. I. The Fallow Deer situation in Epping Forest, Essex, England 1 252-3
- CHAPMAN, D. I. & CHAPMAN, NORMA. Observations on the biology of Fallow Deer (*Dama dama*) in Epping Forest, Essex, England 2 55-62
- CHAPMAN, D. I. & CHAPMAN, NORMA. See FITTER, R. S. R., CHAPMAN, D. I. & CHAPMAN, NORMA
- CHAPMAN, NORMA. See CHAPMAN, D. I. & CHAPMAN, NORMA
- CHAPMAN, V. J. Conservation of island ecosystems in the South-West Pacific 1 159-65
- CHAPMAN, V. J. Conservation prospects in New Zealand 3 208-10
- CHAPMAN, V. J. Underwater reserves and parks 1 53
- CHAPMAN, V. J. See FOSBERG, F. R. & CHAPMAN, V. J.
- CHESHER, RICHARD H. See ENDEAN, ROBERT & CHESHER, RICHARD H.
- CHESTNEY, ROBERT. Conservation of Terns in Norfolk, England 4 67-9
- CHILD, GRAHAM. Wildlife utilization and management in Botswana 3 18-22
- CHILVER, A. H. The Centre for Environmental Studies, London, England 1 232
- CIRIACY-WANTRUP, S. V. & PHILLIPS, WILLIAM E. Conservation of the California Tule Elk: A socio-economic study of a survival problem 3 23-32
- CLARK, JOHN R. & BENNETT, DERICKSON W. A Conservation Bill of Rights for the United States? 1 340-1
- CLARK, STEPHEN S. See RECHER, HARRY F. & CLARK, STEPHEN S.
- CLARKE, ARTHUR H. Endangered North American Molluscs 2 284
- CLAY, J. D. A small warning in Swaziland 6 73
- CLOUGH, GARRETT C. & FULK, GEORGE. Current status of the Block Island Meadow Vole, Rhode Island 3 150-2
- COLLINS, FREDERIC W. Survey and analysis of environmental law in the United States 5 155-6
- CONNELL, D. W. Environmental study of Port Phillip Bay, Australia—Report on Phase One, 1968-71 6 61
- CONNELL, D. W. The Great Barrier Reef conservation issue—A case history 3 249-54
- CONNELL, D. W. Inquiry into advisability of oil-drilling in the Great Barrier Reef, Australia 3 60-1
- CONNELL, D. W. New marine park legislation in Australia 4 302-3
- CONTOR, ROGER J. & STANDISH, ROBERT I. World conferences on National Parks 4 278
- COONEY, THOMAS E. & BORGMANN, CARL W. The conservation of matter—automotive style 5 196-8
- CORNER, E. J. H. Conservation—future prospects 1 21-26
- CORNWALLIS, R. K. Farming and wildlife conservation in England and Wales 1 142-7
- COURTENAY, WALTER R., SAHLMAN, HARRY F., MILEY, WOODARD W. II & HERREMA, DAVID J. Exotic fishes in fresh and brackish waters of Florida 6 292-302
- COUSTEAU, JACQUES-YVES. Statement on global marine degradation 4 61-5

- COWELL, E. B. Oil pollution research by the Field Studies Council in Pembrokeshire, South Wales 1 342-4
- COWELL, ERIC B. See REGIER, HENRY A. & COWELL, ERIC B.
- COWELL, E. B. & BAKER, J. M. with appendix by D. H. DALBY. Recovery of a salt marsh in Pembrokeshire, South-West Wales, from pollution by crude oil 1 291-6
- COX, JAMES L. DDT increasing in the marine environment 3 272-3
- CRABB, PETER. See DOUGLAS, IAN & CRABB, PETER
- CRAGG, J. B. Biological conservation: The present 1 13-19
- CRAGG, J. B. Environmental science in the Canadian Rockies 1 311-2
- CRAM, D. L. See JARVIS, M. J. F. & CRAM, D. L.
- CRUSZ, HILARY. Nature conservation in Sri Lanka (Ceylon) 5 199-208
- CURRY-LINDAHL, KAI. The conservation story in Africa during the 1960s 6 170-8
- CURTIS, H. S. See TRIST, A. R. & CURTIS, H. S.
- DALBY, D. H. See COWELL, E. B. & BAKER, J. M.
- DARLINGTON, DEBORAH. See USHER, MICHAEL B., TAYLOR, ANN E. & DARLINGTON, DEBORAH
- DASMANN, RAYMOND F. Apparent extinction of Grizzly Bear in Mexico 1 336-7
- DASMANN, RAYMOND. Towards a system for classifying natural regions of the world and their representation by national parks and reserves 4 247-55
- DAUGHERTY, HOWARD E. The impact of man on the zoogeography of El Salvador 4 273-8
- DAUGHERTY, HOWARD E. The Montecristo cloud forest of El Salvador: A chance for protection 5 227-30
- DAVIS, KEITH. The Ruffed Grouse of North America 2 133-7
- DECKER, BRYCE G. Unique dry-island biota under official protection in northwestern Marquesas Islands 5 66-7
- DE LAET, CHRISTIAN H. The Man and Resources Conference Programme of Canada 5 226-7
- DELVINGT, W. & D'HUART, J. P. Conservation et recherche scientifique au Parc National des Virunga: la station de Lulimbi, Zaire 4 397
- DE MELO CARVALHO, JOSE C. The Mono in Brazil 3 303
- DE MELO CARVALHO, JOSE C. National Parks and Biological Reserves in Brazil 3 231-2
- DE MELO CARVALHO, JOSE C. Three marmosets of the genus *Leontideus* in Brazil 4 66
- DENISOVA, L. V. See BIELOUSOVA, L. S. & DENISOVA, L. V.
- DENSON, ELEY P. 'From dust to ducks' in Montana 4 392
- DENSON, ELEY P. The Trumpeter Swan, *Olor buccinator*: A conservation success and its lessons 2 253-6
- DENSON, ELEY P. The United States acts against illegal wildlife shipments 3 292
- DENSON, E. P. & PALAS, B. W. The Lacey Act, an early US attempt at international co-operation in wildlife conservation 2 291-2
- DE VOS, ANTOON. Activities of the Wildlife and Forest Recreation Section of FAO 1 155
- DE VOS, ANTOON. The need for nature reserves in East Africa 1 130-4
- DE VOS, A. Working party on wildlife management held in Kenya 4 309
- DE VRIES, R. See BELTERMAN, TH. & DE VRIES, R.
- D'HUART, J. P. See DELVINGT, W. & D'HUART, J. P.
- DOMINY, C. LESLIE. Recent changes in Atlantic Salmon (*Salmo salar*) runs in the light of environmental changes in the Saint John River, New Brunswick, Canada 5 105-13
- DOTTRENS, EMILE. Un pionnier de la conservation de la nature; Charles-Jean Bernard (1876-1967) 1 54
- DOUGHTY, ROBIN W. & MYERS, NORMAN. Notes on the Amazon wildlife trade 3 293-7
- DOUGLAS, IAN & CRABB, PETER. Conservation of water resources and management of catchment areas in upland Britain 4 109-16
- DOUTHWAITE, R. J. An endangered population of Wattled Cranes (*Grus carunculatus*) 6 134-42
- DRING, MATTHEW J. & FROST, LEWIS C. Studies of *Ranunculus ophioglossifolius* in relation to its conservation at the Badgeworth Nature Reserve, Gloucestershire, England 4 48-56
- DRURY, WILLIAM H. Rare species 6 162-9
- DUKE, JAMES A. The sea-level canal accord? 4 7
- DUMONT, HENRI J. Need for protection of some European dragonflies 3 223-8
- DUPUY, A. R. Le Parc National du Niokolo-Koba, Senegal 3 308-10
- DUPUY, A. R. L'urgence de la protection de la nature en Algérie 4 102-8
- DZIEDZIC, JAN. Quarante années d'activité de la Ligue pour la conservation de la Nature en Pologne 1 307-11
- EAGLES, DARRELL. First Canadian Wildlife Service Centre near Midland, Ontario 2 138-9
- EICHLER, ARTURO. Conservation in Latin America 1 95-7
- EICHLER, ARTURO. On policies for natural resources 1 122

- ENDEAN, ROBERT & CHESHER, RICHARD H. Temporal and spatial distribution of *Acanthaster planci* population explosions in the Indo-West Pacific region 5 87-95
- ERZ, WOLFGANG. A West German National Park to be established in the Wadden Sea 5 74-5
- ETTER, HAROLD M. Mined-land reclamation studies on Bighorn Sheep range in Alberta, Canada 5 191-5
- FALANRUW, M. Danger to West Fayu, Caroline Islands 4 223
- FARNHAM, W. F. & GARETH JONES, E. B. The eradication of the seaweed *Sargassum muticum* from Britain 6 57-8
- FAUST, MILDRED E. Conservation of the Hart's-tongue fern in North America 1 256-7
- FEARE, CHRISTOPHER J. Research on Sooty Terns in Seychelles 5 236-8
- FEARE, CHRISTOPHER J. Unexpected visitors to the Seychelles 6 218-9
- FENNO, JOAN. See WHITMAN, JOHN & FENNO, JOAN
- FERGUSON, DAVID A. See FIROUZ, ESKANDAR, HASSINGER, JERRY D. & FERGUSON, DAVID A.
- FIROUZ, ESKANDAR. Field studies in Iran 1 88
- FIROUZ, ESKANDAR. Investigation of population dynamics of the wild sheep in Northeastern Iran 1 254-5
- FIROUZ, ESKANDAR. Wetland and wildfowl conservation in Iran 2 65-6
- FIROUZ, ESKANDAR, HASSINGER, JERRY D. & FERGUSON, DAVID A. The Wildlife Parks and Protected Regions of Iran 3 37-45
- FIROUZ, LOUISE. Conservation of a domestic breed 2 53-4
- FISHER, JOSEPH L. New perspectives on conservation 1 111-6
- FITTER, R. S. R., CHAPMAN, D. I. & CHAPMAN, NORMA. The origin of New Forest and Epping Forest Fallow Deer 3 172
- FLYGARE, W. H. See SWENSON, G. W. & FLYGARE, W. H.
- FOLAND, FRANCES M. Japan's contribution to the world's pollution vocabulary 5 143-4
- FONAROFF, L. SCHUYLER. Urbanization, birds and ecological change in northwestern Trinidad 6 258-62
- FONDA, R. W. The Puget Sound sulphite pulp mills and the tragedy of the commons 4 31-8
- FOSBERG, F. R. Aura of pollution 1 231-2
- FOSBERG, F. R. Sabah (North Borneo), Malaysia: Serpilok Forest endangered 1 339-40
- FOSBERG, F. R. & CHAPMAN, V. J. Mangroves v. tidal waves 4 38-9
- FRANKEL, OTTO H. Genetic conservation of plants useful to man 2 162-9
- FRAZER, J. F. D. Estimating butterfly numbers 5 271-6
- FRAZIER, J. Sea Turtles in Seychelles 6 71-3
- FREEMAN, PETER H. See ALDRICH, JAMES L., FREEMAN, PETER H. & MILTON, JOHN P.
- FROST, LEWIS C. See DRING, MATTHEW J. & FROST, LEWIS C.
- FROST, STANLEY. See BRASSARD, G. R., FROST, STANLEY, LAIRD, MARSHALL, OLSEN, O. A. & STEELE, D. H.
- FRYER, GEOFFREY. Conservation of the Great Lakes of East Africa: A lesson and a warning 4 256-62
- FRYER, GEOFFREY. Hopeful empiricism versus scientific method: The Nile Perch controversy revived 5 222-3
- FRYER, GEOFFREY. The Lake Victoria fisheries: Some facts and fallacies 5 304-8
- FRYER, GEOFFREY. Some hazards facing African lakes 4 301-2
- FULK, GEORGE. See CLOUGH, GARRETT C. & FULK, GEORGE
- FUTEHALLY, ZAFAR. Conservation in India: 1972 in retrospect 5 233-4
- GAEKWAD, AJITSINH C. See OZA, G. M. & GAEKWAD, AJITSINH C.
- GARETH JONES, E. B. See FARNHAM, W. F. & GARETH JONES, E. B.
- GAWLOWSKA, JADWIGA. Seminatural cultivation of economically important plant species growing in the wild state 1 151-5
- GEERLING, C. & BOKDAM, J. Fauna of the Comoe National Park, Ivory Coast 5 251-7
- GEROUDET, PAUL. L'aide à la naissance peut sauver les Tortues de Mer 1 224
- GEROUDET, PAUL. Conclusion du plus grand Projet du WWF, le Coto Doñana en Espagne 1 259
- GEROUDET, PAUL. La conservation de la nature et l'oeuvre du WWF en Ouganda 3 312-3
- GEROUDET, PAUL. Les espèces d'oiseaux menacées en Europe 1 213-7
- GEROUDET, PAUL. Menace sur le Parc national de la Vanoise, en Savoie, France 2 142
- GEROUDET, PAUL. Murchison Falls en Ougandie: Destruction ou protection? 2 309-10
- GEROUDET, PAUL. Plastique et nylon, nouveaux dangers pour les animaux 3 100
- GEROUDET, PAUL. Pour les derniers Pygargues du Schleswig-Holstein en Allemagne de l'Ouest 4 225-6
- GEROUDET, PAUL. Projet de protection de la nature dans la vallée de la Reuss en Suisse 2 73-4

- GEROUDET, PAUL. La protection du Seewinkel au Neusiedlersee en Autriche 1 83
- GEROUDET, PAUL. Les refuges faunistiques de Burano et de Bolgheri en Italie 3 68-9
- GEROUDET, PAUL. La reserve biologique de Dombes, France 1 335-6
- GEROUDET, PAUL. Les reserves libres EUREL pour la sauvegarde des rapaces 1 174-5
- GEROUDET, PAUL. Skaftafell, nouveau Parc national d'Islande 1 178-9
- GEROUDET, PAUL. Le Tapir pinchaque doit être protégé en Equateur 2 139-40
- GEROUDET, PAUL. Une nouvelle reserve naturelle au Pakistan 2 24
- GEROUDET, PAUL. Victoire pour la Vanoise en Savoie, France 4 144
- GHABBOUR, SAMIR I. In favour of the Aswan High Dam 5 291-2
- GHABBOUR, SAMIR I. Insecticides and cotton in Egypt 6 62-3
- GHABBOUR, SAMIR I. Institute of African Research and Studies, Cairo University 4 213
- GHABBOUR, SAMIR I. Some aspects of conservation in Egypt 4 66-7
- GHABBOUR, SAMIR I. Some aspects of conservation in the Sudan 4 228-9
- GHABBOUR, SAMIR I. Towards a classification of ecosystem manipulation 6 153-4
- GIFFORD, ROGER M. 'Inspect'—an experiment in environmental education in Australia 4 141-2
- GJAEREVOLL, OLAV. Conservational news from Norway 4 150
- GJAEREVOLL, OLAV. National Parks of Norway: a national plan 1 183-4
- GJAEREVOLL, OLAV. A new conservation Act in Norway 3 150
- GOCHFELD, MICHAEL. Current status of and threats to some parrots of the Lesser Antilles 6 184-7
- GOLDMAN, MARSHALL I. Ecological face-lifting in the USSR 4 29-30
- GOLDMAN, MARSHALL I. Lake Baikal: An impending tragedy? 5 142-3
- GOLDMAN, MARSHALL I. Pollution in the Soviet Union—The problems are all too familiar 3 246-7
- GOLDSMITH, F. B. An assessment of the Fosberg and Ellenberg methods of classifying vegetation for conservation purposes 6 3-6
- GOLDSMITH, F. B. An assessment of the nature conservation value of Majorca 6 79-83
- GOMEZ-CAMPO, CESAR. Preservation of West Mediterranean members of the cruciferous tribe Brassicaceae 4 355-60
- GOMEZ-CAMPO, CESAR & HERNANDEZ-BERMEJO, ESTEBAN. Towards a Mediterranean Park in Spain 5 72-4
- GONZALES, SERGIO P. E. The Vicuna in Argentina 5 224-5
- GOODWIN, HARRY A. Waterfowl v. waterpower in Iceland 3 305-6
- GRAHAM, DOROTHY. Baffin Island National Park, Canadian Arctic archipelago 4 385-7
- GRAHAM, DOROTHY. Kluane National Park, Yukon Territory 4 395-7
- GRAHAM, DOROTHY. Nahanni National Park, Northwest Territories 5 69-72
- GRAHAM, DOROTHY. National Parks in Quebec 4 310-1
- GREEN, BRYNMOR H. The relevance of sereal eutrophication and plant competition to the management of successional communities 4 378-84
- GREEN, J. M. See STEELE, D. H. & GREEN, J. M.
- GRELLER, ANDREW M. Vegetation of roadcut slopes in the tundra of Rocky Mountain National Park, Colorado 6 84-93
- GUÉRIN, CL. See LAURENT, H. M. & GUÉRIN, CL.
- GUILER, ERIC R. The conservation of the Cape Barren Goose 6 252-7
- GUILER, ERIC R. The effects of extreme wave-action on intertidal organisms in Tasmania 6 192-7
- GUILMIN, F. See BURHENNE, W. E. & GUILMIN, F.
- GYSELS, H. 'The Golden Delta II' Symposium 6 216-7
- GYSELS, H. Need for conservation of creeks in North-east Flanders, Belgium 2 222-4
- HABER, WOLFGANG. 'Bayerischer Wald' National Park, Federal Republic of Germany 3 313-4
- HABER, WOLFGANG. Conservation and landscape maintenance in Germany: Past, present, and future 5 258-64
- HACKETT, BRIAN. Development of reclaimed landscapes in Britain 1 253-4
- HACKETT, BRIAN. Ecology and technology in twentieth-century landscapes 1 117-22
- HADDADIN, MUWAFFAK J. & ALAWI, ADNAN A. Dead populations of fish in the Rivers Jordan and Zarqa 6 215-6
- HADDERINGH, R. H. See KOEMAN, J. H., HADDERINGH, R. H. & BIJLEVELD, M. F. I. J.
- HAMILTON, LAWRENCE S. Concepts in planning for water resources development and conservation—The American experience 3 107-12
- HAMILTON, LAWRENCE S. More on the Giant Pied-billed Grebe of Lake Atitlan, Guatemala 2 142-3
- HAMILTON, WAYNE L. See SCHOFIELD, EDMUND & HAMILTON, WAYNE L.
- HARRIS, M. P. A complete census of the Flightless Cormorant (*Nannopterum harrisi*) 6 188-91
- HARRISS, ROBERT C. Ecological implications of mercury pollution in aquatic systems 3 279-83

- HARRISSON, TOM. The Orang-utan situation, 1970 3 45-6
- HARRISSON, TOM. The Tamaraw and Philippine conservation 1 317-8
- HARROY, JEAN-PAUL. La Conference 'Biosphere' et les Parcs Nationaux 1 306
- HARROY, JEAN-PAUL. L'Union Internationale pour la Conservation de la Nature et de ses Ressources: Origine et constitution 1 106-10
- HARTLAND-ROWE, R. See RADFORD, D. S. & HARTLAND-ROWE, R.
- HASS, HANS. Manifesto on the need to ban mechanical underwater fishing weapons 5 270
- HASSINGER, JERRY D. See FIROUZ, ESKANDAR, HASSINGER, JERRY D. & FERGUSON, DAVID A.
- HAVAS, PAAVO & HUTTUNEN, SATU. The effect of air pollution on the radial growth of Scots Pine (*Pinus sylvestris* L.) 4 361-8
- HEINSOHN, G. E. A study of Dugongs (*Dugong dugon*) in Northern Queensland, Australia 4 205-13
- HEINSOHN, GEORGE E. & SPAIN, ALISTER V. Effects of a tropical cyclone on littoral and sub-littoral biotic communities and on a population of Dugongs (*Dugong dugon* (Müller)) 6 143-52
- HERREMA, DAVID J. See COURTENAY, WALTER R., SAHLMAN, HARRY F., MILEY, WOODARD W. II & HERREMA, DAVID J.
- HERRERO, STEPHEN. See ZUNINO, FRANCO & HERRERO, STEPHEN
- HEWITT, OLIVER H. Theunis J. Stein, 1916-68 1 306
- HEYERDAHL, THOR. Atlantic Ocean pollution and biota observed by the 'Ra' Expedition 3 164-7
- HEYERDAHL, THOR. Atlantic Ocean pollution observed by Expedition 'Ra' 2 221-2
- HEYERDAHL, THOR & JONES, PETER B. Papyrus from 'Ra I' crosses Atlantic Ocean to Norway 6 60
- HIRONS, G. J. M. See HIRONS, M. J. D. & HIRONS, G. J. M.
- HIRONS, M. J. D. & HIRONS, G. J. M. Farne Islands: The problem of soil erosion 4 388-90
- HODGDON, A. R. The New Hampshire Natural Preserves Forum, USA 1 337-8
- HOEKSTRA, HAYO H. Towards saving Europe's wild-fowl 3 217-9
- HOFFMANN, LUC. La nouvelle réserve naturelle de Marchaux Marchegg en Autriche 3 61-2
- HOLLIMAN, JONATHAN. International Youth Federation for the Study and Conservation of Nature (IYF) 1 208
- HOLLOWAY, COLIN W. Wildlife management plan for Palamau Tiger Reserve, Bihar, India 4 390-1
- HOLLOWAY, COLIN W. See McTAGGART COWAN, IAN & HOLLOWAY, COLIN W.
- HOLT, SIDNEY J. The International Ocean Institute 5 141-2
- HOLYOAK, DAVID T. Endangered land-birds in French Polynesia 5 231-2
- HOOPER, MAX D. Disappearing hedgerows in the United Kingdom: The effect on conservation 2 230-1
- HRH THE PRINCE OF THE NETHERLANDS. Aims and achievements of the World Wildlife Fund 3 243-6
- HUBBS, CLARK. Some thermal consequences of environmental manipulations of water 4 185-8
- HUGHES, GEORGE R. The Olive Ridley Sea-turtle (*Lepidochelys olivacea*) in South-east Africa 4 128-34
- HUGHES, GEORGE R. The survival situation of the Hawksbill Sea-turtle (*Eretmochelys imbricata*) in Madagascar 5 114-8
- HUGHES, G. R., HUNTLEY, B. & WEARNE, D. Sea Turtles in Angola 5 58-9
- HUGHES, GEORGE R. & OXLEY-OXLAND, R. A survey of Dugong (*Dugong dugon*) in and around Antonio Enes, Northern Mocambique 3 299-301
- HUNTLEY, B. See HUGHES, G. R., HUNTLEY, B. & WEARNE, D.
- HURCOMB, LORD. Protection of wildlife in London and its outskirts by public authorities 1 166-9
- HUTTUNEN, SATU. See HAVAS, PAAVO & HUTTUNEN, SATU
- HUXLEY, JULIAN. Wildlife in danger 1 276-8
- IKAWA, MIYOSHI. See SASNER, JOHN, IKAWA, MIYOSHI & BARRETT, BURDETTE E.
- JAAG, OTTO. Water quality and water pollution control in Switzerland 4 345-54
- JACHOWSKI, RICHARD L. Smithsonian-Peace Corps Environmental Program 4 18
- JACKSON, P. B. N. The African Great Lakes: Food source and world treasure 5 302-4
- JACKSON, PETER F. R. Airlines agree not to promote hunting of endangered species 4 344
- JACKSON, PETER F. R. Assistance for conservation in Czechoslovakia 4 223-4
- JACKSON, PETER F. R. Birth of a bird sanctuary in India 6 231-2
- JACKSON, PETER F. R. Black Rhinos moved 600 miles to sanctuary in Rhodesia 4 226-7
- JACKSON, PETER F. R. Central Indian Swamp Deer increasing in numbers 5 64
- JACKSON, PETER F. R. Conservation in Bolivia 4 306
- JACKSON, PETER F. R. Fifty airlines support WWF conservation policy 5 44

- JACKSON, PETER F. R. Luxembourg: The WWF launches its Eighteenth National Appeal 3 233
- JACKSON, PETER F. R. National Park in Ethiopia urged for rare antelope 6 224-5
- JACKSON, PETER F. R. New lease of life for Darwin's Giant Tortoises, Galapagos Islands 6 63-4
- JACKSON, PETER F. R. Polar Bear conservation in Spitsbergen 5 155
- JACKSON, PETER F. R. Sanctuary proposed for the Somali Wild Ass in Ethiopia 3 304
- JACKSON, PETER F. R. Vicuna responding to protection in Peru 3 308
- JACKSON, PETER F. R. The World Wildlife Fund in Finland 5 150
- JARVIS, M. J. F. & CRAM, D. L. Bird Island, Lamberts Bay, South Africa: An attempt at conservation 3 269-72
- JENKINS, DAVID, WATSON, ADAM & MILLER, GORDON R. Practical results of research for management of Red Grouse 2 266-72
- JENKINS, ROBERT E. & BEDFORD, W. BRIAN. The use of natural areas to establish environmental baselines 5 168-74
- JENKINS, S. H. Phosphorus in fresh water and the marine environment 5 95
- JENSEN, JAMES H. & SABHASRI, SANGA. Khao Yai National Park, Thailand 4 150-1
- JOHNSON, FRANCIS S. The balance of atmospheric oxygen and carbon dioxide 2 83-9
- JOHNSON, FRANCIS S. Conservation on the moon 2 205
- JOHNSON, FRANCIS S. Ozone and SSTs 4 220-2
- JOHNSTON, L. See BONNER, W. N., VAUGHAN, R. W. & JOHNSTON, L.
- JOLLY, WILLIAM C. Environmental studies at United States Colleges and Universities 4 152-3
- JONES, E. L. The decrease of *Pulsatilla vulgaris* in England 1 327-8
- JONES, E. L. On revisiting North America 3 58-9
- JONES, PETER B. See HEYERDAHL, THOR & JONES, PETER B.
- JONKEL, C. J. Some comments on Polar Bear management 2 115-9
- JUDD, WILLIAM W. Preservation of Byron Bog in London, Ontario 1 84-5
- KALLIOLA, REINO. Some features of nature and conservation in Finland 2 120-4
- KARADI, G. M. International Water Resources Association 4 360
- KAROL, I. L. See BUTLER, G. C., KAROL, I. L., LINDELL, B. G., STEVENS, D. J. & ZELNY, V.
- KASSAS, M. The River Nile ecological system: A study towards an international programme 4 19-25
- KATOR, HOWARD, OPPENHEIMER, C. H. & MIGET, R. J. Microbial degradation of oil pollutants 4 12
- KAUFFMANN, JOHN M. National Trails system for the United States 2 75-7
- KAUFFMANN, JOHN M. US National Wild and Scenic Rivers system 2 62-3
- KEAR, JANET. The experimental assessment of goose damage to agricultural crops 2 206-12
- KEAY, R. W. J. A future for Linne's specimens 1 207-8
- KESTELOOT, EDGAR. La Cigogne Blanche en Belgique 6 227
- KESTELOOT, EDGAR. La tenderie aux oiseaux interdite en Belgique 5 225-6
- KIMBALL, THOMAS L. The National Wildlife Federation of the United States of America 2 184
- KLEIN, DAVID R. Problems in conservation of mammals in the North 4 97-101
- KOEMAN, J. H., HADDERINGH, R. H. & BULEVELD, M. F. I. J. Persistent pollutants in the White-tailed Eagle (*Haliaeetus albicilla*) in the Federal Republic of Germany 4 373-7
- KORNAS, JAN. Changements récents de la flore polonaise 4 43-7
- KOVDA, V. Institution of Agrochemistry and Soil Science of the Academy of Sciences, USSR 5 144-5
- KUENEN, D. J. Fusion of ITBON and RIVON into the Rijksinstituut voor Natuurbeheer, The Netherlands 2 229-30
- KUMARI, ERIK. Nature conservation, a vital need in Estonia 4 230-1
- KUMMERFELD, DONALD D. United States government's role in solid waste management 3 190
- LABASTILLE, ANNE. Conservation stamps for Guatemala 3 17
- LABASTILLE, ANNE. Ecologists and their standards 5 145
- LABASTILLE, ANNE. Establishment of a Quetzal cloud-forest reserve in Guatemala 5 60-2
- LABASTILLE, ANNE. First proposed National Park for Panama 6 102-5
- LABASTILLE, ANNE. Use of artificial nest-boxes by Quetzals in Guatemala 6 64-5
- LABASTILLE, ANNE, OVIDIO, JOSE & BAUER, EDGAR. Census in April 1972 of the Atitlan Grebe (*Podilymbus gigas*), Guatemala 5 62-3
- LAIRD, MARSHALL. See BRASSARD, G. R., FROST, STANLEY, LAIRD, MARSHALL, OLSEN, O. A. & STEELE, D. H.
- LANG, JOHN TEMPLE. New conservation legislation in the Republic of Ireland 1 179-80

- LAURENT, H. M. & GUERIN, CL. L'extermination du Rhinoceros noir en Tanzanie 6 228-31
- LAWRENCE, S. G. Need for a population policy in Britain 3 54
- LAWSON, GEORGE W. The case for conservation in Ghana 4 292-300
- LAWSON, GEORGE W. Lessons of the Volta—A new man-made lake in Tropical Africa 2 90-6
- LAWTON, J. H. & MCNEILL, S. Pollution and world primary production 4 329-34
- LAWTON, R. M. Disappearing hedgerows in the United Kingdom: The effect on conservation 2 311
- LEE, FRANCIS. Canadian Wildlife Service building two wildlife interpretation centres in Quebec 5 72
- LENT, PETER C. Muskox management controversies in North America 3 255-63
- LEWIS, F. AIRD. The Nature Conservancy of Canada 3 6
- LINDELL, B. G. See BUTLER, G. C., KAROL, I. L., LINDELL, B. G., STEVENS, D. J. & ZELNY, V.
- LOVARI, SANDRO. Shooting and the preservation of wildlife in Italy 5 235-6
- LÖVE, DORIS. Reflections around a mutilated tree 3 274-8
- MACBRYDE, BRUCE. Flora of North America Program suspended 6 71
- MACBRYDE, BRUCE. Set-backs to conservation in Ecuador 4 387-8
- McCLOSKEY, MICHAEL. California's coastline initiative: Battle won, but war far from over 5 296
- MACEWAN, DOUGLAS M. C. The Conservation Society 1 274-5
- MACFARLAND, CRAIG G., VILLA, JOSE & TORO, BASILIO. The Galápagos Giant Tortoises (*Geochelone elephantopus*). Part I: Status of the surviving populations 6 118-33
- MACFARLAND, CRAIG G., VILLA, JOSE & TORO, BASILIO. The Galápagos Giant Tortoises (*Geochelone elephantopus*). Part II: Conservation methods 6 198-212
- McMICHAEL, D. F. Conservation in Australia 1 83-4
- MCNEILL, S. See LAWTON, J. H. & MCNEILL, S.
- MACPHERSON, A. H. Caribou for Southampton Island, Northwest Territories 1 86-7
- MCTAGGART COWAN, IAN & HOLLOWAY, COLIN W. Threatened deer of the world: Conservation status 5 243-50
- MCTAGGART COWAN, IAN & HOLLOWAY, COLIN W. Threatened deer of the world: Research programmes for conservation 6 112-7
- MAHESHWARI, J. K. The Baobab tree: Disjunctive distribution and conservation 4 57-60
- MAHESHWARI, J. K. Plant wildlife and conservation in Shivpuri National Park, India 4 214-19
- MAIN, A. R. & YADAV, M. Conservation of macropods in reserves in Western Australia 3 123-33
- MAITLAND, PETER S. The conservation of freshwater fishes in the British Isles 6 7-14
- MAITLAND, PETER S. Mapping the distribution of freshwater fish in the British Isles 1 332
- MALLETTE, ROBERT D. & SIBLEY, FRED C. California Condor survey, 1965-1969 3 143-5
- MARISCAL, RICHARD N. Charles Darwin and conservation in the Galápagos Islands 2 44-6
- MARR, JOHN W. & WILLARD, BEATRICE E. Persisting vegetation in an alpine recreation area in the Southern Rocky Mountains, Colorado 2 97-104
- MARR, JOHN W. See WILLARD, BEATRICE E. & MARR, JOHN W.
- MARSHALL, ADRIAN G. Conservation in West Malaysia: The potential for international co-operation 5 133-40
- MARSHALL, ADRIAN G. A start to nature conservation in the New Hebrides 5 67-9
- MATHER, A. S. See RITCHIE, W. & MATHER, A. S.
- MATHIAS, MILDRED E. Natural land and water reserves system of the University of California 2 303-5
- MATHOTHOTH, A. J. See STONEMAN, J., MEECHAM, K. B. & MATHOTHOTH, A. J.
- MAY, MARIAN. Life outside our planet Earth? 5 53-4
- MECH, L. DAVID. Canadian Lynx invasion of Minnesota 5 151-2
- MEDWAY, LORD. Sumatran Rhinoceros in Malaya 1 94
- MEDWECKA-KORNAS, ANNA. Professor Wladyslaw Szafer, 1886-1970 3 248
- MEECHAM, K. B. See STONEMAN, J., MEECHAM, K. B. & MATHOTHOTH, A. J.
- MEIJER, WILLEM. Conservation of primary forests in Sri Lanka (Ceylon) 5 147-8
- MEIJER, WILLEM. Endangered plant life 5 163-7
- MEIJER, WILLEM. Endangered plant life in Brazil 5 147
- MELVILLE, RONALD. The endemics of Phillip Island 1 170-2
- MELVILLE, RONALD. Plant conservation and the Red Book 2 185-8
- MENCE, A. J. The College of African Wildlife Management, Mweka, Tanzania, after eleven years 6 73-6
- MENDELSSOHN, ROY. See MILLER, RICHARD S., BOTKIN, DANIEL B. & MENDELSSOHN, ROY
- MIGET, R. J. See KATOR, HOWARD, OPPENHEIMER, C. H. & MIGET, R. J.
- MIKOLA, PEITSA. The future of Finnish forest resources and forest landscapes 4 161-5

- MIKOLAJ, PAUL G. See ALLEN, ALAN A. & MIKOLAJ, PAUL G.
- MILEY, WOODARD W. II. See COURTENAY, WALTER R., SAHLMAN, HARRY F., MILEY, WOODARD W. II & HERREMA, DAVID J.
- MILLER, GORDON R. See JENKINS, DAVID, WATSON, ADAM & MILLER, GORDON R.
- MILLER, JOHN W. Lethal yellowing of Coconut Palms in Florida 5 230-1
- MILLER, RICHARD S., BOTKIN, DANIEL B. & MENDELSSOHN, ROY. The Whooping Crane (*Grus americana*) population of North America 6 106-11
- MILNE-REDHEAD, E. A code of conduct for the conservation of flowering plants and ferns 3 5
- MILNE-REDHEAD, E. Rescuing the Black Poplar in Britain 5 232-3
- MILTON, JOHN P. See ALDRICH, JAMES L., FREEMAN, PETER H. & MILTON, JOHN P.
- MIRZA, Z. B. & WAIZ, ABDUL. Food availability for Blackbuck (*Antilope cervicapra*) at Lal Suhanra Sanctuary, Pakistan 5 119-22
- MONOD, TH. Reunion technique de la Section CT du Programme Biologique International a Hammamet, Tunisie, 25-30 mars 1968 1 77-8
- MOORE, N. W. Experience with pesticides and the theory of conservation 1 201-7
- MORRIS, M. G. Joint Committee for the Conservation of British Insects 2 280-1
- MORRIS, M. G. Populations of invertebrate animals and the management of chalk grassland in Britain 1 225-31
- MOSLEY, J. G. More nature conservation prospect in Australia 1 330-2
- MOUNTFORT, GUY. International efforts to save the tiger from extinction 6 48-52
- MOXEY, PAUL A. The Epping Forest Conservation Centre, Essex, England 4 69
- MUNRO, A. L. S. Ulcerative dermal necrosis, a disease of migratory salmonid fishes in the rivers of the British Isles 2 129-32
- MUNRO, WILLIAM T. Preservation of migratory bird habitat in Canada 5 311-3
- MURTON, R. K. The ecology and status of Swinhoe's Egret, with notes on other herons in south-eastern China 4 89-96
- MUSSELMAN, LYTTON J. Vegetational changes in Southern Wisconsin prairies 2 233-4
- MYERS, NORMAN. Tsavo National Park, Kenya, and its elephants: An interim appraisal 5 123-32
- MYERS, NORMAN. See DOUGHTY, ROBIN W. & MYERS, NORMAN
- NEWHOOK, F. J. Coppermine Island and conservation 1 313-8
- NEWHOOK, F. J. Sequel to the controversy over Coppermine Island, New Zealand 2 146-7
- NICHOLSON, E. MAX. Environmental consultancy—An experiment 4 6-7
- NIEVERGELT, BERNARD. Le Bouquetin d'Ethiopie gravement menacee 1 334-5
- NORTON, T. A. Mapping the distribution of seaweeds around the British Isles 3 143
- NUMATA, M. Conservational implications of Bamboo flowering and death in Japan 2 227-9
- O'HARE, P. J. See WATSON, ADAM & O'HARE, P. J.
- OLNEY, P. J. S. The food and feeding habits of the Pochard, *Aythya ferina* 1 71-6
- OLSEN, O. A. See BRASSARD, G. R., FROST, STANLEY, LAIRD, MARSHALL, OLSEN, O. A. & STEELE, D. H.
- OPPENHEIMER, C. H. See KATOR, HOWARD, OPPENHEIMER, C. H. & MIGET, R. J.
- ORMOND, RUPERT F. G. See CAMPBELL, ANDREW C. & ORMOND, RUPERT F. G.
- OVERSMITH, ROBERT. Proposed experimental inshore oceanographic facility for the Scripps Institution, California 3 63-5
- OVIDIO, JOSE. See LABASTILLE, ANNE, OVIDIO, JOSE & BAUER, EDGAR
- OVINGTON, J. D. See BODEN, R. W. & OVINGTON, J. D.
- OWEN, D. F. Hawkmoths in tropical African gardens 3 60
- OWEN, D. F. *Pseudopontia paradoxa*, a unique butterfly of the rain forest of West and Central Africa 4 73-4
- OWEN, D. F. Species diversity in butterflies in a tropical garden 3 191-8
- OWEN, JOHN S. Development and consolidation of Tanzania National Parks 1 156-8
- OWEN, JOHN S. Some thoughts on management of national parks 4 241-6
- OXLEY-OXLAND, R. See HUGHES, GEORGE R. & OXLEY-OXLAND, R.
- OZA, G. M. Conservation of the Asiatic Lion: Now limited to Gujarat State, India 6 225-7
- OZA, G. M. Indian Doum Palm faces extinction 6 65-7
- OZA, G. M. Is present legislation desirable for *Tectona grandis* in India? 3 306-7
- OZA, G. M. & GAEKWAD, AJITSINH C. Blackbuck faces extinction in India 5 234-5
- PALAS, B. W. See DENSON, E. P.
- PAVAN, MARIO. Stages in the abolition of bird-netting in Italy 3 307-8

- PERCY, LORD RICHARD. Cousin Island Nature Reserve in the Seychelles, Indian Ocean 2 225-7
- PETERKEN, G. F. International selection of areas for reserves 1 55-61
- PETERKEN, G. F. A method for assessing woodland flora for conservation using indicator species 6 239-45
- PFEIFFER, E. W. Defoliation and bombing effects in Vietnam 2 149-51
- PHILLIPS, WILLIAM E. See CIRIACY-WANTRUP, S. V. & PHILLIPS, WILLIAM E.
- PICKAVANCE, J. R. Pollution of a stream in Newfoundland: Effects on invertebrate fauna 3 264-8
- PICOZZI, N. Breeding performance and shooting bags of Red Grouse in relation to public access in the Peak District National Park, England 3 211-5
- PIESSE, R. D. Activities of the Australian Conservation Foundation 2 222
- PIMENTEL, GEORGE C. Life on Mars now appears less likely 2 188
- PINTHUS, MOSHE J. Crop-herbicide relationships considering soil and water pollution 5 295
- PITTMAN, ALLEN. See NAVIAUX, JAMES L. & PITTMAN, ALLEN
- POLLOCK, N. C. Some observations on game ranching in Southern Africa 2 18-24
- POLUNIN, NICHOLAS. Academician Vladimir Nikolae-vich Sukachev (1880-1967) 1 110
- POLUNIN, NICHOLAS. Botanical conservation in the Arctic 2 197-205
- POLUNIN, NICHOLAS. Environmental Knights 3 51
- POLUNIN, NICHOLAS. Seychelles Biological Sanctuaries? 1 93-4
- POLUNIN, NICHOLAS & PROCTER, JOHN. The Vallée de Mai, Praslin, Seychelles 5 314-6
- POLUNIN, N. V. C. Coral reefs, aquaria and conservation 1 278-9
- POLUNIN, N. V. C. Marine conservation in the Seychelles 4 227-8
- POOLE, ROBERT K. Smithsonian Peace Corps Environmental Program 6 58-9
- POPHAM, SHIRLEY T. Three northern National Park areas announced for Canada 4 303
- PRICE, A. R. G. A further look at pollution in the Atlantic Ocean 5 297-8
- PRITCHARD, PETER C. H. The survival status of Ridley Sea-turtles in American waters 2 13-17
- PRITCHARD, TOM. Environmental education 1 27-31
- PRITCHARD, TOM. See BELLAMY, DAVID J. & PRITCHARD, TOM
- PRITCHARD, TOM & WILLIAMS, T. LLEW. 'The Countryside in 1970' and European Conservation Year in the UK 2 74-5
- PROCTER, JOHN. National Parks in the Seychelles 5 153-5
- PROCTER, JOHN. See POLUNIN, NICHOLAS & PROCTER, JOHN
- QUAINTANCE, CHARLES W. The conservational status of the fauna of Colombia 2 306-8
- QUAINTANCE, CHARLES W. The vanishing flora of Columbia 3 145-7
- RADFORD, D. S. & HARTLAND-ROWE, R. Some conservational problems posed by hydroelectric power installations in Alberta 4 166-8
- RADL, SHIRLEY L. Zero Population Growth, Inc: past, present and future 3 71-2
- RAMSEY, CLAUDE. The Morris Animal Foundation and its Zoo and Wildlife Division 4 101
- RANCUREL, PAUL. Echouage en masse du Cetace *Peponocephala electra* aux Nouvelles-Hebrides 6 232-4
- RAWES, MICHAEL & WELCH, D. Trials to recreate floristically-rich vegetation by plant introduction in the Northern Pennines, England 4 135-40
- RAY, CARLETON. Ecology, law and the 'marine revolution' 3 7-17
- RAY, G. CARLETON. IBP Marine Mammal Programme in the Bering Sea 4 385
- RECHER, HARRY F. & CLARK, STEPHEN S. A biological survey of Lord Howe Island with recommendations for the conservation of the island's wildlife 6 263-73
- REED, BRIAN. Survival status of the Takahe, *Notornis mantelli* of New Zealand 1 237-40
- REED, JOHN C. Effects of oil development in Arctic America 2 273-7
- REED, JOHN C. Oil development and conservation in Arctic America 4 369-72
- REGIER, HENRY A. & COWELL, ERIC B. Applications of ecosystem theory, succession, diversity, stability, stress and conservation 4 83-8
- REITZ, J. B. DE V. The Jackass Penguin of South Africa—A threatened species 4 73
- RENZONI, ARISTEO. Bird-netting in Italy, 1974 6 312-3
- RENZONI, ARISTEO. The decline of the Grey Partridge in Italy 6 213-5
- RENZONI, ARISTEO. The influence of some toxicants on the reproductive activities of the Japanese Quail (*Coturnix coturnix japonica*) 5 181-4
- RENZONI, ARISTEO. Too many hunters in Italy? 4 70-1
- RENZONI, ARISTEO. The Wild Cat (*Felis sylvestris*) in Italy: Is the end in sight? 6 67-9
- RICHARDS, JOHN. The Conservation Committee of the Botanical Society of the British Isles 3 62-3
- RIKSEN, H. D. Orang-Utan conservation and rehabilitation in Sumatra 6 20-25

- RITCHIE, W. & MATHER, A. S. Conservation and use: case-study of beaches in Sutherland 3 199–207
- ROBERTSON, JOHN C. The Council of Europe's European Diploma for Nature Conservation 1 236
- ROBERTSON, JOHN C. European Information Centre for Nature Conservation 1 87–8
- ROBINSON, GILBERT A. The Tsitsikama Coastal National Park, South Africa 2 72–3
- ROGERS, L. Objectives of Zero Population Growth 3 268
- ROWLAND, FRANK S. Mercury levels in swordfish and tuna 5 52–4
- RUBINOFF, IRA. The sea-level canal controversy 3 33–6
- RUDGE, M. R. A register of ecological consultants 5 308–9
- RUDOLPH, EMANUEL D. Conserving the Antarctic terrestrial ecosystem 3 52–4
- RUSSELL, CLIFFORD S. Additional comment on development v. conservation 3 283–4
- RUSSELL, R. SCOTT. Contamination of the biosphere with radioactivity 2 2–9
- RUSSELL, V. S. Pollution: Concept and definition 6 157–61
- RZOSKA, JULIAN. Project Aqua: A preliminary report 1 248
- SABHASRI, SANGA. See JENSEN, JAMES H. & SABHASRI, SANGA
- SAHLMAN, HARRY F. See COURTENAY, WALTER R., SAHLMAN, HARRY F., MILEY, WOODARD W. II & HERREMA, DAVID J.
- SALISBURY, EDWARD J. Conservational importance of pioneer vegetation of exposed muds 5 310
- SALMON, J. T. Conservation in New Zealand 1 255–6
- SANFORD, WILLIAM W. Conservation des orchidées en Afrique Occidentale 3 47–50
- SANFORD, WILLIAM W. Conservation of West African orchids, I. Nigeria 1 148–50
- SANFORD, WILLIAM W. See AKINTOLA, GANIYU A. & SANFORD, WILLIAM W.
- SANGER, GERALD A. The recent pelagic status of the Short-tailed Albatross (*Diomedea albatrus*) 4 189–93
- SANTOS, U. DE M. See BRINKMANN, W. L. F. & SANTOS, U. DE M.
- SASNER, JOHN, IKAWA, MIYOSHI & BARRETT, BURDETTE E. 'Red Tide' in the Southern Gulf of Maine, USA 6 76–8
- SCHAUENBERG, PAUL. The Equator National Reserve in Ecuador 2 140–1
- SCHENKEL, RUDOLF & SCHENKEL-HULLIGER, LOTTE. The last remnants of the Javan Rhinoceros in Ujung Kulon Nature Reserve 2 68–70
- SCHENKEL, RUDOLF & SCHENKEL-HULLIGER, LOTTE. The present status of Rhinos in Indonesia 4 308–9
- SCHENKEL-HULLIGER, LOTTE. See SCHENKEL, RUDOLF & SCHENKEL-HULLIGER, LOTTE
- SCHLOETH, ROBERT F. Problems of wildlife and tourist management in the Swiss National Park 6 313–4
- SCHOFIELD, EDMUND & HAMILTON, WAYNE L. Probable damage to tundra biota through sulphur dioxide destruction of lichens 2 278–80
- SCHOFIELD, EILEEN K. Galápagos flora: The threat of introduced plants 5 48–51
- SEMPLE, ARTHUR T. Grassland conservation progress 5 6
- SEMPLE, ARTHUR T. Grassland improvement in Africa 3 173–80
- SEMPLE, ARTHUR T. Grassland improvement in Latin America 1 217–8
- SERVICE, M. W. Conservation and the control of biting flies in temperate regions 3 113–22
- SERVICE, M. W. Kainji Lake, a new aquatic habitat in Northern Nigeria 2 70
- SERVICE, M. W. Wildlife conservation in Northern Nigeria 1 338–9
- SHAPOSHNIKOV, L. K. Professor George Petrovich Dementiev, 1898–1969 2 124
- SHAPOSHNIKOV, L. K. The science of nature conservation 1 272–4
- SHARP, BRIAN. Conservation of the Dusky Seaside Sparrow on Merritt Island, Florida 1 175–6
- SHAW, DOROTHY E. Birds of Paradise Bill in Papua and New Guinea 1 91
- SHAW, DOROTHY E. Conservation in Papua and New Guinea 3 149
- SHAW, DOROTHY E. Conservational ordinances in Papua and New Guinea 2 50–3
- SHAW, DOROTHY E. Hallstrom Park Bird of Paradise Sanctuary 1 181–3
- SHEAIL, JOHN. The formation and maintenance of water-meadows in Hampshire, England 3 101–6
- SIBLEY, FRED C. See MALLETT, ROBERT D. & SIBLEY, FRED C.
- SIEGFRIED, W. R. The status of the Bald Ibis of Southern Africa 3 88–92
- SIMMONS, IAN G. The protection of ecosystems and landscapes in Hokkaido, Japan 5 281–9
- SIMON, NOEL M. Proposals for field investigations of rare and endangered mammals 1 280–90
- SIMPSON, JOHN G. Elephant Seals and California Sea-lions apparently not killed by Santa Barbara oil-spill 2 89
- SMITH, A. J. M. See BOURNE, W. R. P. & SMITH, A. J. M.
- SMITH, DAVID C. The International Bird Rescue Research Center, Berkeley, California 5 294
- SMOLKER, ROBERT E. The Environmental Defense Fund 1 70

- SOFTLY, A. Necessity for perpetuation of a venomous snake? 4 40-2
- SOLMAN, V. E. F. Birds and aircraft 5 79-86
- SOLMAN, V. E. F. Canada Land Inventory Wildlife Capability Maps 2 305
- SPAIN, ALISTER V. See HEINSOHN, GEORGE E. & SPAIN, ALISTER V.
- SPINAGE, C. A. The ecology and problems of the Volcano National Park, Rwanda 4 194-204
- STANDISH, ROBERT I. Fur trade to ban commerce in skins of seven endangered animals 3 133
- STANDISH, ROBERT I. Honours for IUCN's President 1 290
- STANDISH, ROBERT I. IUCN Education Commission Development 2 12
- STANDISH, ROBERT I. IUCN establishes new Commission on Environmental Policy Law, and Administration 3 92
- STANDISH, ROBERT I. IUCN's Landscape Planning Commission and its Newsletter 2 256
- STANDISH, ROBERT I. Newsletter of the Commission on Education of IUCN 2 104
- STANDISH, ROBERT I. See CONTOR, ROGER J. & STANDISH, ROBERT I.
- STARK, N. Threats and hopes 3 55-8
- STEELE, D. H. & GREEN, J. M. Gros Morne National Park, Newfoundland 4 393-4
- STEELE, D. H. See BRASSARD, G. R., FROST, STANLEY, LAIRD, MARSHALL, OLSEN, O. A. & STEELE, D. H.
- STEVENS, D. J. See BUTLER, G. C., KAROL, I. L., LINDELL, B. G., STEVENS, D. J. & ZELENY, V.
- STEWART, DENNIS. See TRESHOW, MICHAEL & STEWART, DENNIS
- STEWART, PHILIP. *Cupressus dupreziana*, threatened conifer of the Sahara 2 10-12
- STODDART, D. R. The Aldabra affair 1 63-9
- STONEMAN, J., MEECHAM, K. B. & MATHOTHOTH, A. J. Africa's Great Lakes and their fisheries potential 5 299-302
- STOOP VAN DE KASTEELE, F. S. C. Conservation of wild *Lilium* species 6 26-31
- STRANG, R. M. Bush encroachment and veld management in South-central Africa: The need for a reappraisal 5 96-104
- SUMMERS, C. F. The Grey Seal (*Halichoerus grypus*) in Cornwall and the Isles of Scilly 6 285-91
- SUTHERLAND, WALLACE J. E. Development of the Olambwe Valley Game Reserve in south-west Kenya 4 148-50
- SUTTON, RICHARD. Reflections on Ghanaian education 3 50-1
- SWABEY, CHRISTOPHER. The endemic flora of the Seychelle Islands and its conservation 2 171-7
- SWEAT, DONALD. See CARR, ARCHIE & SWEAT, DONALD
- SWEDBERG, GERALD E. The Koloa Restoration Project, Hawaii 1 177-8
- SWENSON, G. W. & FLYGARE, W. H. Complex organic molecules in outer space 4 60
- SWIFT, J. J. College of African Wildlife Management, Mweke, Tanzania 1 340
- SWIFT, J. J. School for the Training of Wildlife Specialists, Garoua, Cameroon 2 64
- SZAFER, WLADYSLAW. The Ure-Ox, extinct in Europe since the Seventeenth century: an early attempt at conservation that failed 1 45-7
- TAMURA, TUYOSI. Japan's initial project for a Marine Parks Research Institute 2 66-8
- TAMURA, TUYOSI. The Marine Parks Center of Japan 1 89-90
- TAMURA, TUYOSI. A new Marine Parks Research Station for Japan 5 64-6
- TAYLOR, ANN E. See USHER, MICHAEL B., TAYLOR, ANN E. & DARLINGTON, DEBORAH
- THOMAS, G. J. A review of gull damage and management methods at nature reserves 4 117-27
- THOMPSON, PETER A. The use of seed-banks for conservation of populations of species and ecotypes 6 15-19
- THRESHER, PHILIP. African National Parks and tourism—An interlinked future 4 279-84
- TICKELL, W. L. N. The exploitation and status of the Common Seal (*Phoca vitulina*) in Shetland 2 179-84
- TILLANDER, M. Fresh water from the sea 1 200
- TORO, BASILIO. See MACFARLAND, CRAIG G., VILLA, JOSE & TORO, BASILIO
- TRACY, H. L. See VALLENTYNE, J. R. & TRACY, H. L.
- TRAIN, RUSSELL E. The Rookery Bay Area Project, Florida 2 64-5
- TRESHOW, MICHAEL & STEWART, DENNIS. Ozone sensitivity of plants in natural communities 5 209-14
- TRIST, A. R. & CURTIS, H. S. Forestry and conservation in Queensland 3 69-70
- TUBBS, C. R. Heathland management in the New Forest, Hampshire 6 303-6
- TUBBS, C. R. See BLACKWOOD, J. W. & TUBBS, C. R.
- TUBBS, C. R. & BLACKWOOD, J. W. Ecological evaluation of land for planning purposes 3 169-72
- USHER, MICHAEL B., TAYLOR, ANN E. & DARLINGTON, DEBORAH. A survey of visitors' reactions on two Naturalists' Trust Nature Reserves in Yorkshire, England 2 285-91

- VALE, THOMAS R. Sagebrush conversion projects: an element of contemporary environmental change in the Western United States 6 274-84
- VALLENTYNE, J. R. Experimental lakes in North-western Ontario 1 257-8
- VALLENTYNE, JOHN R. A scientific look at Lake Baikal, USSR 4 305-6
- VALLENTYNE, J. R. & TRACY, H. L. New term introduced at First Conference on Environmental Future 4 371-2
- VANICEK, VLASTIMIL. The soil-protective role of specially-shaped plant roots 5 175-80
- VAUGHAN, R. W. See BONNER, W. N., VAUGHAN, R. W. & JOHNSTON, L.
- VERWEY, J. E. M. Activities of the South African Wildlife Foundation 3 70-1
- VERWEY, J. E. M. Black Rhino rescue campaign in Rhodesia 3 152-3
- VERWEY, J. E. M. Conservation programmes for coastal birds in South Africa 3 311-2
- VERWEY, J. E. M. Conservation projects of the SA Wildlife Foundation 2 63
- VERWEY, J. E. M. Development of the first National Park in Lesotho 3 69
- VERWEY, J. E. M. Mlilwane Game Sanctuary in Swaziland and its extension 1 184
- VERWEY, J. E. M. Southern African conservation programme for marine turtles 3 235-6
- VERWEY, J. E. M. White Rhinos brought to Kruger National Park, South Africa 2 17
- VESEY-FITZGERALD, DESMOND. The changing state of *Acacia xanthophloea* groves in Arusha National Park, Tanzania 6 40-7
- VILLA, JOSE. See MACFARLAND, CRAIG G., VILLA, JOSE & TORO, BASILIO
- VINE, PETER J. Coral-reef conservation around the Seychelles, Indian Ocean 4 304-5
- VOLLMAR, FRITZ. Rencontre entre chasseurs et protecteurs de l'ours blanc dans l'Arctique 1 248
- VOLLMAR, FRITZ. The World Wildlife Fund in the 1970s 3 85-7
- VON RICHTER, WOLFGANG. Black and Square-lipped Rhinoceroses in Botswana 5 59-60
- VON RICHTER, WOLFGANG. Numerical status of the Black Wildebeest in South Africa 3 234-5
- WAGENHEIM, KALMAN. Fish-kill at Oyster Creek, New Jersey 6 70-1
- WAZ, ABDUL. See MIRZA, Z. B. & WAZ, ABDUL
- WATSON, ADAM. See JENKINS, DAVID, WATSON, ADAM & MILLER, GORDON R.
- WATSON, ADAM & O'HARE, P. J. Experiments to increase Red Grouse stocks and improve the Irish bogland environment 5 41-4
- WAYRE, PHILIP. The role of zoos in breeding threatened species of mammals and birds in captivity 2 47-9
- WAYRE, PHILIP. Swinhoe's Pheasant in Taiwan 1 184-6
- WEARNE, D. See HUGHES, G. R., HUNTLEY, B. & WEARNE, D.
- WEBER, DANIEL. Pinta, Galápagos: une île à sauver 4 8-12
- WEIR, JOHN S. Diversity and abundance of aquatic insects reduced by introduction of the fish *Clarias gariepinus* to pools in Central Africa 4 169-75
- WELCH, D. See RAWES, MICHAEL & WELCH, D.
- WELLS, JAMES R. The Michigan Natural Areas Council 2 144-6
- WELLS, T. C. E. Botanical aspects of conservation management of chalk grasslands 2 36-44
- WELLS, T. C. E. The decrease of *Pulsatilla vulgaris* in England—A reply to Dr E. L. Jones 1 328-9
- WELLS, T. C. E. Land-use changes affecting *Pulsatilla vulgaris* in England 1 37-43
- WENDLAND, WAYNE M. & BRYSON, REID A. Atmospheric dustiness, man, and climatic change 2 125-8
- WERNER, KONRAD. Reclamation of land damaged by open-cast mining—Methods and results 5 277-80
- WESTING, ARTHUR H. Herbicides in war: Current status and future doubt 4 322-8
- WHEELER, ALWYNE. Fish-life and pollution in the Lower Thames: A review and preliminary report 2 25-30
- WHEELER, ALWYNE. Pollution and fish life in the River Thames, England 1 251-2
- WHEELER, ALWYNE. Trout in the tidal Thames, England 4 306-7
- WHILDE, A. Conservation and management of Oysters in Ireland 4 70
- WHITE, E. Man-made lakes in tropical Africa and their biological potentialities 1 219-24
- WHITMAN, JOHN & FENNO, JOAN. Smithsonian Institution Center for Short-lived Phenomena 6 308-11
- WICKREMasinghe, CHRISTIE S. See ATAPATTU, SHELTON & WICKREMasinghe, CHRISTIE S.
- WIELGOLASKI, F. E. IBP ecosystem studies in Norway 4 71-2
- WIELGOLASKI, F. E. National Parks and other protected areas in North America in relation to those in Norway and Sweden 3 285-92
- WILLARD, BEATRICE E. & MARR, JOHN W. Effects of human activities on alpine tundra ecosystems in Rocky Mountain National Park, Colorado 2 257-65

- WILLARD, BEATRICE E. & MARR, JOHN W. Recovery of alpine tundra under protection after damage by human activities in the Rocky Mountains of Colorado 3 181-90
- WILLARD, BEATRICE E. See MARR, JOHN W. & WILLARD, BEATRICE E.
- WILLGOHS, J. F. Status and prospects of eagles in Norway 2 71-2
- WINGATE, DAVID B. See CHALLINOR, DAVID & WINGATE, DAVID B.
- WORONECKI, PAUL P. Rodent problems in the Darien of Colombia 5 227
- WORTHINGTON, E. BARTON. The ecology of introductions—A case study from the African lakes 5 221-2
- WORTHINGTON, E. B. IBP Handbooks 1 20
- WURSTER, CHARLES F. Chlorinated hydrocarbon insecticides and the world ecosystem 1 123-9
- WYCHERLEY, PAUL R. Conservation of coral reefs in West Malaysia 1 259-60
- WYCHERLEY, P. R. Land-use and conservation in West Malaysia 1 91-3
- YADAV, M. See MAIN, A. R. & YADAV, M.
- YANCEY, RICHARD K. Morganza Floodway opening, Louisiana 6 69-70
- YAPP, W. B. Ecological evaluation of a linear landscape 5 45-7
- YAPP, W. B. Ecologists of the world, unite! 3 297-8
- ZELENY, V. See BUTLER, G. C., KAROL, I. L., LINDELL, B. G., STEVENS, D. J. & ZELENY, V.
- ZUNINO, FRANCO & HERRERO, STEPHEN. The status of the Brown Bear (*Ursus arctos*) in Abruzzo National Park, Italy, 1971 4 263-72

SUBJECT INDEX

Subject Index

Entries for plants and animals are normally given under the scientific name, unless the common name only was used in the text. Common names of animals are also included—where appropriate—with a reference to the scientific name as indexed.

-
- Aardvark: *Orycteropus afer*
 Abashiri National Park 5 285
 Abate 3 118
 Abberton Reservoir 1 75
 Aberlady Bay 2 285–91
 Abruzzi National Park 4 263–72, 391–2
Acacia albida 1 78, 85, 131, 2 193
A. coriacea 3 125
A. xanthophloea 6 40–7
Acanthaster planci (Crown-of-thorns Starfish) 1 278, 2 96, 246–51, 3 249, 253, 4 61, 5 87–95
Accipiter nisus (Sparrowhawk) 1 174, 206, 4 374–5
Aceras anthropophorum 2 41
Acinonyx jubatus (Cheetah) 1 129, 3 42, 133, 4 102
A. j. venaticus (Asiatic Cheetah) 1 129, 285
A. rex 1 129
Acipenser fulvescens 6 10
A. sturio (Sturgeon) 2 26
Acraea bonasia 3 195
A. eponina 3 194, 195
Acridotheres tristis (Mynah Bird) 1 177
Adansonia digitata 4 57–60, 5 129
Addax nasomaculatus 1 289, 4 102
Adenanthera pavonina 2 175
Adonis vernalis 1 154, 2 219
Aechmophorus occidentalis (Western Grebe) 1 127
Aedes sollicitans 1 175
A. taeniorhynchus 1 175
Aegolius funereus (Tengman's Owl) 3 314
Aegypius monachus (Black Vulture) 1 215, 3 43, 6 82
Aepyceros melampus (Impala) 1 48, 58, 2 18–23, 194
Aërangis rhodosticta 3 49
 Aerial photographs 6 6, 136
 Aerial spraying of toxic chemicals 1 124, 2 187, 3 117, 118–9, 4 322–7, 5 103, 110, 181, 6 276, 280
Aesogordonia holtzii 1 133
 Afforestation 1 34, 51, 52, 121, 4 165, 5 280
 Africa 1 197, 198, 219–24, 249, 2 18–23, 105–14, 3 173–80, 4 128–33, 279–84, 5 96–104, 299–301, 302–4, 6 32–9, 170–8
 African Conservation Charter 6 176
 African Convention for Conservation of Nature and Natural Resources 1 249, 2 105–14, 6 176
 African Special Project 6 172
Afrormosia elata 4 295
Afzelia africana 1 234, 235
 Age distribution in dugongs 6 148–51
 Age and tooth development in deer 2 57
 Ageing in elephants 3 136
 Agricultural crops, by airfields 5 81
 Agricultural crops, effects of feeding by geese 2 206–12
 Agricultural fertilizers 1 127, 145, 218, 2 187, 4 349, 5 15, 107
 Agricultural improvement 1 50, 143, 147, 209, 218, 2 187, 3 1, 8, 4 22, 292, 5 280
 Agricultural landscape 1 118
 Agricultural non-viability 3 205
 Agriculture and wildlife conservation 1 142–7, 2 164, 305, 5 14, 6 82, 213
Agropyron pauciflorum 2 202
Agrostis scribneri 6 92
A. tenuis 2 201
Ailuropoda melanoleuca (Giant Panda) 1 205
 Air pollution 1 140, 231, 3 133, 207, 215, 246, 4 176, 6 158–9
 Air pollution control 2 308
 Air pollution and lichens 2 278–9
 Air pollution and tree growth 4 361–8
 Aircraft accidents and birds 5 79–86
Ajuga chamaepitys 2 37
 Akan National Park 5 284
 Alaska 2 117, 133, 138, 199, 273–5, 278, 3 141–3, 255, 4 97–101, 369–71
Alauda arvensis (Skylark) 1 146, 205
 Albania 1 214, 215
 Albatross, Short-tailed: *Diomedea albatrus*
 Albert National Park 1 10, 107, 3 312, 4 194, 6 170
 Alberta 4 166–8
Albizzia falcata 2 175
Alca torda (Razorbill) 1 323, 4 145
Alcephalus busephalus (Hartebeest) 1 78, 4 102
A. b. coki 5 130

- A. b. jacksoni* 4 149
A. b. major 5 253
A. b. swaynei (Swayne's Hartebeest) 1 283, 333, 3 147-9, 6 224-5
A. b. tora (Tora Hartebeest) 1 283, 3 147
Alces alces (Moose) 4 310
Alchemilla alpina 4 137-8
 Aldabra 1 24, 63-9, 6 72, 118
Aldabrachelys (= *Geochelone*) *gigantea* (Giant Land Tortoise) 1 63-9, 2 227
 Aldrin 1 123, 174, 179, 206
Alestes macrolepidotus 2 92
 Algae 1 127, 257, 279, 293, 2 91, 93, 3 143, 264, 265, 4 87, 302, 329, 6 12, 57-9, 145
 Algal blooms 1 127, 257, 2 94, 4 348, 6 76-8
 Algeria 1 280, 4 102-5, 356-9
 Alkylmercury compounds 3 280
 All-terrain-vehicles 3 277
Alnus incana 4 165
Alopex lagopus (Arctic fox) 3 231, 4 98-9
Alosa fallax (Shad) 1 252, 2 26
Alouatta villosa (Howler Monkey) 4 275
 Alpine flora 1 169, 2 99, 5 25-32, 6 84
 Alpine tundra 2 97, 257-65, 3 181-90, 5 71, 6 84-93
 Alpine turf ecosystems 2 102
 Alps 1 215, 236
 Amazon 1 217, 3 293-7
Amazona arausiaca (Red-necked Parrot) 6 184
A. guildingii (St. Vincent Parrot) 6 184-6
A. vittata (Puerto Rican Parrot) 6 184
 Amenity woodland 1 51, 52
 American Ornithologists' Union 1 66
Amerorchis rotundifolia 2 202
Ammodorcas clarkae (Dibatag) 1 283
Ammophila arenaria 3 203
Ammospiza nigrescens (Dusky Seaside Sparrow) 1 175
Ammotragus lervia 4 102
Amorphophallus decus-sylvae 5 165
 Amphibia 1 73, 147, 2 192, 5 20-4
 Amphipoda 1 126
Amphiprion (Clown Fish) 1 279
 Anabantidae 6 293
Anas acuta 1 177
A. angustirostris (Marbled Duck) 6 82
A. crecca (Teal) 4 147
A. penelope (Wigeon) 4 147
A. platyrhynchos (Mallard) 1 177, 4 147, 376
A. rubripes (Black Duck) 4 376, 6 76
A. wyvilliana (Hawaiian Duck) 1 177
 Andes 1 218
Andromeda glaucophylla 2 204
Androsace septentrionalis 3 185
 Angel Falls 1 114
 Angola 1 280, 5 58
Angraecum egertonii 1 148, 149
Anguilla anguilla (Eel) 2 26, 131
 Animal artefacts 1 226
 Animal census 3 235, 298, 308, 4 265, 308, 338, 5 186, 6 49, 285-91
 Animal habitat classification 1 226, 4 249
 Animal impact on trees 6 41-7
 Animal/plant relationship 1 228, 230, 2 186
 Animals in captivity 1 17, 6 113, 168, 186
 Animals (Restriction of Importation) Act 1 61
Aningeria altissima 1 132
Anisops spp. 4 173, 174
 Ankasa River Forest Reserve 4 299
 Annelida 1 73
Anoa depressicornis (Anoa) 1 285
A. mindorensis (Tamaraw) 1 317
Anous alba monte (Fairy Tern) 2 226, 4 312
A. stolidus (Common Noddy Tern) 2 226, 5 236
Anser albifrons (Whitefront) 2 207, 4 147
A. anser (Greylag Goose) 2 206, 4 147
A. brachyrhynchus (Pink-footed Goose) 2 206, 3 305
A. caerulescens atlanticus (Snow Goose) 1 324, 5 312
A. fabalis (Bean Goose) 2 123, 207, 4 147
 Antarctic 1 123, 3 52-4, 303, 4 335-44
 Anteater, Giant: *Myrmecophaga tridactyla*
Antechinus macdonnellensis (Fat-tailed Marsupial Mouse) 3 125
 Antelope, Royal: *Neotragus pygmaeus*
 Antelope, Sable: *Hippotragus niger*
Anthropoides virgo (Demoiselle Crane) 1 216, 4 102
Anthropopithecus troglodytes (Chimpanzee) 1 156, 4 201, 6 24
Anthus pratensis (Meadow Pipit) 5 43
 Anticorrosion paint 3 34
Antidorcas marsupialis (Springbuck) 2 18
Antilocapra americana (Pronghorn) 1 97, 6 280-1
Antilope cervicapra (Blackbuck) 1 284, 4 215, 5 119-22, 234
 Appalachian Trail 2 76
 Aquaculture 1 35, 222, 279, 3 11
 Aquarium fish escapes 6 292-302
 Aquatic invertebrates 4 169-75, 257
 Aquatic vegetation, effects of fish 6 298
Aquila chrysaetos (Golden Eagle) 2 71, 123, 268
A. heliaca (Imperial Eagle) 1 215
A. rapax (Steppe Eagle) 1 215
 Arabia 1 129
 Arabian Oryx: *Oryx leucoryx*
 Aransas National Wildlife Refuge 6 106-11
Araucaria heterophylla 1 170
 Arboricides 5 101
 Arbuthnott Estate 1 49
 Arbutin 1 154
 Arctic 1 236, 248, 2 197-205, 3 255-62, 4 30, 156, 369-71, 385-7, 6 234
 Arctic gas exploration 4 370

- Arctic oil 2 138, 197, 273–7, 278–9, 3 141, 4 97, 99–100, 369–71
- Arctic plants 1 169, 2 149, 197–205, 278–9, 3 142
- Arctostaphylos uva-ursi* 1 151–5
- Ardeola bacchus* (Chinese Pond Heron) 4 94
- Arenaria obtusiloba* 2 259
- Argentina 1 24, 95, 192, 193, 217, 281, 5 224–5
- Aridity and macropod survival 3 128
- Armadillo: *Dasypus novemcinctus*
- Armeria maritima* 1 293
- Aroclor 1242/1254 4 376
- Arrhenatherum elatius* 2 39, 3 3
- Arsenic pollution 5 16
- Artemisia maritima* 1 293
- A. scopulorum* 3 184
- A. tridentata* 6 274–84
- Arthropoda 1 124, 125
- Artificial communities 1 56
- Artificial fertilizer 1 218, 4 350, 5 17, 6 12
- Artificial nest boxes 1 304, 6 64–5
- Artificial nest sites for tortoises 6 201–11
- Arusha National Park 1 156, 3 245, 6 40–5, 176
- Asia 1 136, 148, 196
- Aster tripolium* 1 293
- Aston Rowant National Nature Reserve 2 39
- Astragalus hypoglottis* 1 39
- Astrakhan Reserve 1 107
- Aswan Dam 1 26, 4 21, 5 291–2, 6 63
- Ateles geoffroyi* (Spider Monkey) 4 275
- Atewa Reserve 4 294
- Atherurus twineri* (Brush-tailed Porcupine) 1 132
- Atlantic 1 53, 127, 198, 2 13, 34, 221, 3 164–7, 278, 4 128, 5 297, 6 60
- Atmospheric carbon dioxide 2 88, 125, 4 332
- Atmospheric dust and temperature 1 125–8
- Atmospheric dynamics 4 328
- Atmospheric oxygen 2 84
- Atmospheric pollution 1 21, 2 243, 278–9
- Atolls 1 159
- Atriplex glabriuscula* 2 203
- Audouin's Gull 1 213
- Auk, Great: *Pinguinus impennis*
- Auk, Little: *Plautus alle*
- Aurochs: *Bos primigenius*
- Australia 1 53, 83, 192, 218, 249, 278, 330–2, 2 247, 303, 3 69–70, 123–32, 196, 216, 249–54, 4 40–2, 59, 141–2, 205–13, 302, 5 265–70, 298–9, 311, 6 53–6, 61, 157–9, 252–7
- Australian Conservation Foundation 1 83, 331, 2 222, 3 252
- Austria 1 172, 193, 3 61–2
- Austrian League for Protection of Nature 1 83
- Aviceda cuculoides* (Cuckoo Falcon) 1 133
- Avocet: *Recurvirostra avosetta*
- Axis axis* (Indian Axis Deer) 3 44, 4 215
- A. calamianensis* (Calamian Deer) 5 243
- A. kuhli* (Bawean Deer) 1 284, 5 245
- Aye-Aye: *Daubentonia madagascariensis*
- Aythya ferina* (Pochard) 1 71–5, 4 147
- A. fuligula* (Tufted Duck) 4 147
- Baboon: *Papio ursinus*
- Baboon, Anubis: *P. anubis*
- Babors National Park 4 103
- Badger: *Meles meles*
- Badger, Honey: *Mellivora capensis*
- Badgeworth Nature Reserve 4 48–56
- Baffin Island National Park 4 303, 385–7
- Bahamas 1 278
- Baikaia insignis* 1 132
- Balaenoptera acutorostrata* (Minke Whale) 4 343
- B. borealis* (Sei Whale) 4 337
- B. musculus* (Blue Whale) 4 335
- B. physalis* (Fin Whale) 4 335
- Balearic Islands 6 79
- Balkans 1 172
- Baltic 1 216
- Bamboo harvesting 2 227
- Banff National Park 3 291
- Bangladesh 6 52
- Banteng: *Bos javanicus*
- Baphia keniensis* 1 132
- Barbary Ape 1 62
- Barbus barbus* (Barbel) 6 11
- Barnack Hills and Holes 1 40
- Barrow Island 3 123–5
- Barrow Island Bandicoot: *Isodon barrowensis*
- Barton Hills 1 37, 40, 2 38, 41
- Bass: *Dicentrarchus labrax*
- Bass, Largemouth: *Micropterus salmoides*
- Battersea Park 1 166
- Batu Caves Protection Association 1 172
- Bauxite exploitation 4 294–5
- Bayerischer Wald National Park 3 313
- Bear, Baluchistan: *Selenarctos thibetanus*
- Bear, Bespectacled: *Tremarctos orantus*
- Bear, Black: *Ursus americanus*
- Bear, Brown: *U. arctos*
- Bear, Grizzly: *U. a. horribilis*
- Bear, Mexican Grizzly: *U. neboni*
- Bear, Mountain: *U. americanus*
- Bear, Polar: *U. maritimus*
- Bear, Syrian Brown: *U. arctos syriacus*
- Bears, attacks by 2 115–6
- Bears, destruction of 2 116–7
- Beaver: *Castor canadensis*
- Bee-eater, Carmine: *Merops nubicus*
- Bee-eater, White-fronted: *M. bulcocki*
- Beira: *Dorcatragus megalotis*

- Belair National Park **1** 108
 Belgium **1** 37, 137, 156, 174, 191, 193, **2** 222, **5** 225–6, 6 227
 Benzene **1** 124
 Bermuda **3** 220–2, **6** 306–7
 Bernard, Charles-Jean **1** 54, 109
Bettongia lesueur (Boodie) **3** 125
Betula pubescens **2** 202
Bidens **1** 73
B. melanocarpus **4** 44
 Bighorn Sheep: *Ovis canadensis*
 Bilharziasis **5** 291
 Biochemical repair mechanisms **5** 220
 Biocides **1** 124
 Biodegradation of chemicals **5** 16
 Biogeocoenology **1** 272
 Biological control **3** 116, 221, **4** 123, 395, **5** 17, 23, 86, 102, **6** 270, 314
 Biological Oxygen Demand **5** 106–7
 Biosphere Conference **1** 187, 191, 241–7, 248, **2** 243, **4** 2
 Biotope Conservation Fund **4** 219
 Bird census **2** 66, 71, **3** 90, 144–5, 211–5, **4** 145, **5** 62–3, **6** 106, 135, 188–91, 254–7
 Bird conservation **2** 300–2, **3** 88–91
 Bird disease **2** 268
 Bird distribution cycles **4** 192
 Bird feeding **1** 74, **4** 92, **6** 139–40, 190
 Bird hazards to aircraft **5** 79–86
 Bird Island **3** 269–72
 Bird migrants **6** 218–9
 Bird mortality **2** 267, **4** 145, 223
 Bird-netting **3** 307, **4** 120, **5** 225–6, **6** 258, 312–3
 Bird of prey protection **1** 174, **3** 168, 236
 Bird ringing **2** 267
 Bird scaring **4** 121
 Bird territory **1** 300, **2** 255, 267
 Birds on airfields **4** 123
 Birds, effects on vegetation **4** 389
 Birds of Paradise **1** 91, 181, **2** 50–1
 Birds as pests **4** 67, 117–27, **6** 252–7
 Bison, American: *Bos bison*
Bison bonasus (European Bison) **1** 14, 45, 192, 196, 200, **2** 48
Bistorta bistortoides **2** 100, 261, **3** 184, 186
 Biting flies **3** 113–22, **4** 17
 Blackbird: *Turdus merula*
 Blackbuck: *Antelope cervicapra*
 Black-flies **1** 125, **4** 17
Blastocerus dichotomus (Marsh Deer) **1** 281, **3** 295, **5** 247
 Blesbuck: *Damaliscus albifrons*
 Blown-sand **3** 199–205
 Boar, Wild: *Sus scrofa*
 Bolgheri Wildlife Reserve **3** 68
 Bolivia **1** 217, **4** 306
 Bombing on environment, effects **2** 150
Bombus lapidarius **1** 228
Bonasa umbellus (Ruffed Grouse) **2** 133–7
 Bongo: *Boocerus euryceros*
 Booby: *Sula dactylatra*
 Booby, Red-footed **1** 67
Boocerus euryceros (Bongo) **4** 201, **5** 253
 Boodie: *Bettongia lesueur*
 Boreal plants **1** 169
 Borgu Game Reserve **2** 70
 Borneo **2** 303
Bos bison (American Bison) **1** 196, 200, 277
B. gaurus (Gaur) **5** 137
B. javanicus (Banteng) **5** 137
B. primigenius (Ure-Ox) **1** 45–47, 200
Boselaphus tragocamelus (Nilgai) **4** 218
Boswellia **1** 85
 Botanical gardens **1** 104, 105, 150, 166, 197, **2** 108, **4** 355, **6** 15, 67
 Botanical Society of the British Isles **1** 38, **3** 5, 62–3
Botrychium tenebrosus **2** 201
 Botswana **3** 18–22, **5** 7–14, 59
 Bou-Hedma National Park **1** 78
Brachidontes rostratus **6** 193–5
Brachylaena hutchinsii **1** 132
Brachypodium sylvaticum **1** 40, **2** 39
Brachystegia spiciformis **5** 101
Brachyteles arachnoides (Woolly Spider Monkey) **1** 62, 281, **3** 303
 Brackish creeks **2** 222–4
Bracon atrator **1** 228, 229
Branta canadensis (Canada goose) **1** 167, **2** 207
B. sandvicensis (Ne-Ne Goose) **2** 48
 Brasilia National Park **3** 231
 Brassiceae **4** 355–60
 Brazil **1** 69, 70, 192, 217, 218, 281, **3** 231, 293, 303, **4** 66, **5** 146–7
 Brazilian Foundation for Conservation of Nature **1** 69, 70
 Bridestones Nature Reserve **2** 286
 Brine-shrimps **1** 127
 British Columbia **1** 250
 British Ecological Society **3** 297–8
 British Indian Ocean Territory **1** 68
 British Museum (Natural History) **1** 66
 British Study Group on Education and Field Biology **1** 28
Briza media **1** 41
Bromus erectus **1** 38, 40, 42, **2** 42, **3** 3
B. tectorum **5** 212
 Brook Char: *Salvelinus fontinalis*
Brosimum costaricanum **1** 301–2
 Browsing **6** 41, 45–6, 304
 Bryophytes **4** 15–17

- Bryum argenteum* 3 184, 186
Bubalus bubalis (Asiatic Buffalo) 1 284, 4 218
Bubo bubo (European Eagle Owl) 1 216, 2 48
 Bud-living animals 1 227
 Buffalo: *Syncerus caffa*
 Buffalo, Asiatic: *Bubalus bubalis*
Bufo bufo (Common Toad) 5 20–4
B. calamita (Natterjack Toad) 5 20–4
 Bulgaria 1 214
Bunium bulbocastanum 2 37
 Bunting, Snow: *Plectrophenax nivalis*
 Burano Lake Reserve 1 84, 3 68
Burhinus vermiculatus (Water Dikkop) 2 192
 Burma 1 281
Burmeisteria retusa (Greater Pichiciego) 1 281
 Burning, accidental fires 1 158, 2 175, 194–5, 3 20, 287, 5 11, 6 46, 80, 303
 Burning of *Arctostaphylos uva-ursi* 1 153
 Burning and bird mortality 1 177
 Burning, effect on flora 2 187, 3 49, 4 155
 Burning for grassland improvement 1 39, 40, 3 146, 177, 4 378, 5 98, 6 171, 276
 Burning and grouse management 2 136, 270–1, 3 214, 5 41–2
 Burning, heather 6 303–6
 Burning as management tool 1 225, 2 123, 136, 4 155, 381–2, 6 303–6
 Burren, Ireland 1 180
 Bush Baby: *Galago senegalensis inustus*
 Bush birds 1 161–4
 Bush invasion of grassland 5 96–104
 Bushbuck: *Tragelaphus scriptus*
 Bushey Park 1 167
 Bustard 1 277
 Bustard, Great: *Otis tarda*
 Bustard, Great Indian: *Choriotis nigriceps*
 Bustard, Houbara: *Chlamydotis undulata*
Butea monosperma 4 217
Buteo oreophilus (Mountain Buzzard) 1 133
 Butterflies 1 131, 205, 227, 2 52, 3 191–8, 4 73, 5 271–6
Butyrospermum 1 133
 Buzzard, Mountain: *Buteo oreophilus*
 Bwamba Forest 1 131
 Caesium 2 5, 279
Caiman sclerops 2 306
C. yacare (Jacaré) 3 294, 295
 Cairngorm Mountains 2 268, 6 245–51
 Cakile maritima 2 203
 Calcareous sandflats 2 172
 Calcareous soils 1 37, 153
Calcarius lapponicus (Lapland Longspur) 3 230
 Calcium 1 126
 California 1 124, 2 303, 3 23, 63–4, 5 160–2
Callimico goeldii (Goelde's Tamarin) 1 281
Callisaurus draconoides (Zebra-tailed Lizard) 6 179
Calluna vulgaris 1 37, 2 266, 286, 3 211, 214, 5 41–4, 6 303–6
Calopteryx splendens faivrei 3 226–7
 Camargue 1 214, 236, 2 225, 4 224–5
 Cambodia 1 282, 4 323
 Cameroon 1 148, 149, 150, 173, 3 47–50
Campanula rotundifolia 1 41, 228
 Camping/caravanning 3 202
Camptosorus rhizophyllus 1 256
Camptothecium lutescens 1 41
Campylum chrysophyllum 1 41
Canachites canadensis (Spruce Grouse) 2 134
 Canada 1 86, 169, 192, 193, 256, 258, 311, 2 24, 115, 117, 134, 178, 196, 198, 253, 265, 273, 3 6, 65, 110, 150, 232, 255, 260–1, 289–91, 4 13–18, 142, 166–8, 176, 223, 303, 310–1, 369, 392, 393–4, 395–6, 5 79–86, 152, 226–7, 311, 6 61
 Canadian Northwest Territories 1 165
 Canadian Wildlife Service 1 165, 2 138, 225, 305, 313, 3 232, 4 223, 5 57, 72, 6 62, 98
 Canal Zone 3 34
Canis aureus (Jackal) 3 43
C. familiaris (Dog) 1 177
C. lupus (Wolf) 1 183, 2 123, 3 42, 289, 4 98–9, 150, 264, 311, 5 151, 6 68, 94–101
Capella gallinago (Snipe) 1 147, 163, 5 43
 Caper-buck: *Capparis nobilis*
 Capercaillie: *Tetrao urogallus*
Capparis nobilis (Caper-buck) 1 171
Capra ibex (Ibex) 1 254, 6 314
C. nubiana (Nubian Ibex) 2 294
C. walie (Walie Ibex) 1 332, 2 295
Capreolus capreolus (Roe Deer) 3 43, 314, 4 264, 6 314
Capricornis crispus swinhoei (Formosa Serow) 1 288
C. sumatraensis (Sumatran Cow) 1 285
Caprolagus hispidus (Hispid Hare) 1 283
Capsella bursa-pastoris 3 185
 Capybara: *Hydrochoerus hydrochaeris*
 Carbamates 1 128, 2 232, 3 118
 Carbon 2 4, 5, 4 178
Cardium edule 1 74
Caretta caretta (Loggerhead Turtle) 2 13, 5 58
Carex abdita 2 202
C. disperma 2 202
C. jacobi-peteri 2 199
C. panicea 2 202
C. praticola 2 202
C. rupestris 2 260
C. trisperma 2 202
C. viridula 2 202
 Caribou, Barren-Ground: *Rangifer tarandus*
 Caroline Islands 4 223

- Carp, Chinese Grass: *Ctenopharyngodon idellus*
 Carpathians 1 215
 Carrion 1 226
 Carrying capacity 2 23, 264, 3 7-9, 27, 98, 176, 206,
 4 228, 5 3, 25, 100, 128, 191, 6 111, 210, 280
 Carson, Rachel 1 18
Carulaspis minima (Juniper Scale) 3 221
 Caspian pony 2 53
Cassipourea ruwensorensis 1 132
Cassis cornuta (Great Helmet-Shell) 2 247
 Cassowary 1 182
Castor canadensis (Beaver) 4 310
Casuarina equisetifolia 3 221
 Cat: *Felis domesticus*
 Cat, Jungle: *F. chaus*
 Cat, Wild: *F. sylvestris*
Catabrosa aquatica 2 201
Cataphragmus polymerus 6 194-5
Catreus wallichi (Cheer Pheasant) 2 49
 Cats 1 161, 163, 164, 197, 2 227, 6 199, 268
 Cattle grazing 1 226, 2 38, 186, 3 3, 103, 205, 4 202,
 203, 5 8-14, 41, 6 274-6
 Cattle ranching 4 274, 5 103
 Celtic field system 1 40
Celtis paniculata 1 171
Cenococcum graniforme 1 153
Centaurea nigra 1 41, 228
 Central America 3 33-6
 Central Kalahari Game Reserve 3 19, 5 11
 Central Laboratory of Nature Conservation, Russia
 1 274
 Centre for Environmental Studies, London 1 232
Centrocercus urophasianus (Sage Grouse) 2 134, 6
 280-1
Cephalophus rufilatus (Red-flanked Duiker) 5 254
C. sylvicultor (Yellow-backed Duiker) 4 201, 5 254
Cephus grylle (Black Guillemot) 4 310
Cerastium holosteoides 2 203
Ceratophyllum 1 73, 74, 75
Ceratotherium simum cottoni (Northern Square-lipped
 Rhinoceros) 1 288
C. simum simum 5 59, 6 35
Cercocebus albigena (Black Mangabey) 1 131
C. galeritus (Tana River Mangabey) 1 286
Cercopithecus aethiops 5 254
C. hoesti (Hoest's Monkey) 1 133
C. mitis kandti (Golden Monkey) 1 133
C. m. kolbi (Sykes Monkey) 1 131
C. mona (Mona Monkey) 1 131
C. neglectus (Brazza Monkey) 1 131
C. nictitans schmidtii 1 131
C. petaurista 5 254
 Cereal growing 1 143, 146, 206, 217
Cereopsis novae-hollandiae (Cape Barren Goose) 6
 252-7
Ceropegia bulbosa 4 217
Cervus albirostris (Thorold's Deer) 5 246
C. canadensis (Elk) 2 100, 6 94
C. c. macneilli 5 247
C. c. nannodes 6 114
C. duvauceli (Swamp Deer) 2 48, 4 218, 5 245
C. eldi (Eld's Deer) 1 284
C. e. eldi (Manipur Bow-antlered Deer) 5 245
C. e. siamensis (Thailand Brow-antlered Deer) 5 245
C. elephas (Red Deer) 1 167, 238, 253, 277, 282,
 2 57, 3 43, 314, 4 264, 6 314
C. e. bactrianus 1 290, 5 246
C. e. barbarus 4 102, 5 246
C. e. corsicanus 5 246
C. e. hanglu 5 246
C. e. nannodes (Tule Elk) 1 116, 3 23-31
C. e. wallichi 5 246
C. e. yarkandensis 5 246
C. nippon keramae 5 245
C. n. kopsdii (Sika Deer) 5 245
C. n. mandarinus 5 245
C. n. taiouanus (Formosa Sika Deer) 1 288, 2 48, 5 245
C. unicolor (Sambar) 4 215
Chaetomys subspinosus (Thin-spined Porcupine) 1 281
 Chalk grassland 1 37, 38, 225, 2 36-43, 3 1-5, 101,
 4 378-84
 Chalkhill Blue Butterfly: *Lysandra coridon*
Chamaesipho columna 6 194-5
Chara spp. 1 71-75
 Characidae 6 294
Charadrius alexandrinus (White-fronted Sandplover)
 2 192
 Charcoal manufacture 6 80
 Charles Darwin Foundation 1 97, 2 46
 Charles Darwin Research Station 3 245, 4 9, 6 64,
 118, 200
Charonia tritonis (Great Triton) 2 247
 Charophyta 1 72
 Chausingha: *Tetracerus quadricornis*
 Cheddar Reservoir 1 72, 75, 234
 Cheetah: *Acinonyx jubatus*
 Cheetah, Asiatic: *A. j. venaticus*
Chelonia (Turtle) 1 341
C. depressa (Australian Flatback Turtle) 2 13
C. mydas (Green Sea Turtle) 1 92, 341, 2 13, 216, 227,
 283-4, 3 236, 4 223, 304, 307, 5 58, 6 72, 307-8
 Chemical analyses 1 154, 221, 4 50, 170, 374
 Chemical control of mosquitos 3 117
 Chemical pollution 1 21, 97, 140, 187
 Chemical stability of chlorinated hydrocarbons 1 124
 Chemical warfare 2 151
Chen hyperborea (Snow Goose) 2 254
Chenopodium album 3 185
 Chile 1 24, 217, 218, 282
 Chimpanzee: *Anthropopithecus troglodytes*

- Chimpanzee: *Pan troglodytes*
 China 4 89–96
 Chironomidae 1 72–5, 3 266
Chironomus plumosus 1 72
Chiropotes albinasus (White-nosed Saki) 1 281
Chlamydotis undulata (Houbara Bustard) 3 42
Chlamyphorus truncatus (Lesser Pichiciego) 1 281
 Chlorinated hydrocarbon pollutants 1 123–9, 146, 206, 4 329–30, 374–5, 6 62
 Chobe Game Reserve 5 11
 Chobe National Park 3 19, 5 13, 59
Choeropsis liberiensis (Pygmy Hippopotamus) 1 285, 6 33
Choriotis nigriceps (Great Indian Bustard) 4 218
Chrysobalanus icacos 2 175
Chrysocyon brachyurus (Maned Wolf) 1 281
 Churchill Falls 4 13–18
 Cichlidae 6 294
Ciconia ciconia (White Stork) 6 227
C. nigra (Black Stork) 4 102
Circus aeruginosus 6 82
C. pygargus (Montagu's Harrier) 6 82
Cirsium acaule 1 228
C. tuberosum 2 37
Citropsis schweinfurthii 1 132
 Civet: *Viverra civetta*
 Civet, Malabar: *V. megaspila civettina*
Civettictis civetta (African Civet) 3 67
Cladonia alpestris 2 279
C. pyxidata 2 100
Cladonia spp. 2 278–9
 Clam, Razor: *Ensis directus*
 Clam, Razor: *Siliqua costata*
Clarias gariepinus 4 169–75
 Clariidae 6 297
 Clark Reservation State Park 1 256
 Clear Lake, California 1 127
 Clepto-parasitism 4 118, 119
 Climate and recreational use 5 267–8
 Climatic change 2 125–8, 3 28
 Climax ecosystems 3 189
 Climax formations 4 248, 298
 Climax vegetation 1 58, 5 98, 6 163
 Cloud-forest 1 132, 302–4, 4 276, 387, 5 60–2, 227–9, 6 64–5, 104
Clupea harengus (Herring) 1 252, 2 26
Cnemidophorus tigris (Whip-tailed Lizard) 6 179
 Coal-mine reclamation 1 253
 Coastal areas 3 199–207, 4 94, 5 160–2, 296, 6 79–83
Cochlearia polonica 4 45
Cochlearia spp. 1 293
 Cockatoo, White 1 183
 Cocos-Keeling 1 64
Cocos nucifera 1 160, 2 172
Coenagrion freyi 3 225–6
 Coleoptera 1 73, 4 171
 Collecting butterflies 3 223
 Collecting frogs 5 22
 Collecting plants 1 260, 3 5
 Collecting tortoises 6 121
 College of African Wildlife Management 1 340, 6 73–6, 175
Colobus badius gordonorum (Uhehe Red Colobus) 1 288
C. b. kirkii (Red Colobus) 1 133
C. b. rufomitratatus (Tane River Red Colobus) 1 286
C. polykomos (White Colobus) 1 131, 3 67, 5 254
C. verus (Green Colobus) 1 285, 6 33
 Colombia 1 96, 115, 217, 218, 2 139, 306–7, 3 145–7, 293–7, 5 227
 Colonising ability of plants 6 239–40
 Colorado 1 254, 3 274–8
Columba oenas (Stock Dove) 4 71
Columba palumbus 4 71
 Commercial extinction 4 343
 Commercial fisheries 2 26, 94, 3 300, 312, 4 63, 70, 83–7, 256–62, 277, 301, 5 105, 221, 292, 299–301, 307, 6 10, 191
 Commercial whaling 4 341
 Commercialisation of National Parks 3 287, 4 280
Commiphora 1 85, 131
 Comoe National Park 5 251–7
 Compensation payments 1 180, 4 270
 Computers 1 121
 Concorde 5 159
 Condor, Andean 4 306
 Condor, Californian: *Gymnogyps californianus*
 Congo 1 131, 234
 Congo Kinshasa National Parks 3 245
Connochaetes gnou (Black Wildebeest) 3 234
C. taurinus (Wildebeest) 1 158, 2 18, 5 103, 126
Conolophus suberistatus (Iguana) 2 45
 Conservation activism 4 288
 Conservation campaigns 3 252, 4 289, 5 4, 139, 160–2, 296, 6 49
 Conservation of diversity 1 203, 204
 Conservation of ecosystems 1 204, 2 197
 Conservation legislation 1 179, 191, 197, 303, 313, 340, 2 35, 50–3, 105–14, 123, 183, 230, 245, 291–2, 295, 303, 3 8–17, 37, 53, 90, 150, 218, 236, 285, 292, 295, 306–7, 4 64–5, 142, 263, 302, 304, 5 137, 155, 160–2, 168, 202–4, 259, 309–10, 6 68, 126, 255
 Conservation machinery 3 55–7
 Conservation of the moon 2 205
 Conservation outside nature reserves 2 195
 Conservation Society 1 274
 Control of birds on airfields 5 82
 Control of introduced mammals 6 198
 Control of introduced plants 6 267
 Control of tourists 3 271, 287, 4 114

- Controlled burning 2 271, 6 303
 Controlled-environment laboratory 1 169
 Controlled grazing 2 207, 4 55, 139, 5 42, 313, 6 179–83
 Convention on Import, Export and Transit of Species
 1 61, 198, 2 230
 Cook Islands 1 159, 5 92
 Cooperative grazing schemes 3 179
 Coot: *Fulica atra*
 Copper mining 1 314
 Copper pollution 3 282, 4 331, 5 17
 Copra 1 159
Copsychus sechellarum (Magpie Robin) 2 227
 Coral reefs 1 259, 278, 2 96, 172, 246–51, 3 61, 4 61,
 227–8, 304, 5 87–95, 137, 6 145
 Corbett National Park 6 50
Cordeauxia edulis 1 85
Cordia millenii 1 132
Coregonus clupeoides (Powan) 2 131
Corixa dorsalis 1 71, 73
C. germari 1 71, 73
 Cormorant, Black: *Phalacrocorax neglectus*
 Cormorant, Cape: *P. capensis*
 Cormorant, Crowned: *P. africanus*
 Cormorant, Double-breasted: *P. auritus*
 Cormorant, Flightless: *Nannopterum harrisi*
 Cormorant, Pygmy: *P. pygmaeus*
 Cormorant, White-breasted: *P. carbo lucidus*
Coronella austriaca (Smooth Snake) 6 303
 Corsica 1 215
Corvus corax (Raven) 1 172
C. c. kamschaticus (Kamchatka Raven) 5 285
Corypha elata 5 164
Corythaëola cristata (Great Blue Turaco) 1 133
 Cost-benefit analysis 1 206, 2 289–90, 3 26, 28–30,
 206, 4 280–3, 5 131, 6 278
 Costa Rica 1 218, 2 282–4
 Coto Donana 1 214, 215, 259, 2 177, 3 245
 Cottage industry 3 260
Coturnix coturnix japonica (Japanese Quail) 5 181–4
 Cougar: *Felis concolor*
 Council of Europe 1 43, 87, 137, 138, 173, 213, 312,
 2 24, 74–5, 242, 309, 3 304, 4 70, 143, 224, 284,
 5 148–50, 230
 Council of Europe Diploma for Nature Conservation
 4 134, 391–2
 County Naturalists' Trusts 2 285
 Cousin Island Nature Reserve 2 225, 3 245, 4 312,
 6 72, 176
 Cow, Sumatran: *Capricornis sumatraensis*
 Coyotes 2 14
 Crane, Demoiselle: *Anthropoides virgo*
 Crane, Japanese: *Grus japonensis*
 Crane, Wattled: *G. carunculatus*
 Crane, Whooping: *G. americana*
Crataegus 1 254
C. monogyna 3 3
Craterostigma plantagineum 4 217
Crepis capillaris 2 40
Cricetomys gambianus (Giant Rat) 6 33
 Crocodiles 2 52–3
Crocodilus acuttus 1 181
C. intermedius (Cayman) 1 97
C. johnsoni (Freshwater Crocodile) 2 303
C. moreletti 1 180
C. niloticus (Nile Crocodile) 2 70, 192, 3 148, 5 255
C. porosus (Saltwater Crocodile) 2 303
Crocus scepusiensis 4 45
Crocota crocuta 5 254
 Crofting 3 200, 5 41
 Crop destruction 4 324–6, 5 60, 227, 6 62, 254
 Crop protection 5 295
 Cropping of game 1 277, 3 31, 42, 94, 134, 234, 260,
 4 389, 5 128, 6 35, 113, 314
 Crossbill: *Loxia curvirostra*
Crotaphylus wislizenii (Leopard Lizard) 6 179
 Crown-of-Thorns Starfish: *Acanthaster planci*
 Crustacea 1 35, 73, 3 266
Ctenidium molluscum 1 41
Ctenopharyngodon idellus (Chinese Grass Carp) 6 11
Culicoides 1 71, 3 113
 Cunaguaro: *Leopardus pardalis*
Cuniculus paca (Paca) 1 97
Cupressus atlantica 2 10, 11
C. dupreziana 2 10–12, 4 103
C. sempervirens 2 10, 11
Curculigo orchoides 4 217
 Cuscus 1 182
 Cushion communities 6 80, 84
 Cyanide poisoning 4 223
Cyathea dregei 1 133
C. manniana 4 294
 Cyclodiene insecticides 1 123
Cygnus bewickii (Bewick's Swan) 4 148
C. olor (Mute Swan) 1 205
Cynodon plectostachyus 3 176
 Cyprinidae 6 298
Cypripedium calceolus (Lady's Slipper Orchid) 2 187
Cyrtorchis hamata 1 149
 Cytological studies 4 53
 Czechoslovakia 1 197, 208, 4 143, 223
 Dace: *Leuciscus leuciscus*
 Daisetsuzan National Park 5 285
Dama dama (Fallow Deer) 1 167, 252–3, 2 55–61, 3 172
D. mesopotamica (Mesopotamian Fallow Deer) 3
 43–4, 5 245
 Damage to crops 3 31, 4 270
Damaliscus albifrons (Blesbuck) 2 23
 Dams, effect on fish passage 5 107–8, 6 13

- Danthonia spicata* 2 201
 Danube 1 214
 Dark-bordered Beauty: *Epione vespertaria*
 Dasht-e-Naz Wildlife Park 3 44
Dasyprocta rubrata (Acure) 1 97
 Data recording 6 36
Daubentonia madagascariensis (Aye-Aye) 2 309, 3 246
 Daunia Risi Spa Reserve 1 84
 DDD 1 124, 127
 DDE 1 124, 126, 4 374–6, 5 57
 DDR 1 195
 DDT 1 70, 123–6, 174, 206, 216, 339, 2 70, 231, 247, 298, 3 117–8, 233, 237, 272–3, 281, 4 98, 276, 330, 5 16–17, 22, 108, 6 62, 271
 DDT as carcinogen 2 232
Deckenia nobilis 2 173, 5 315
 Deer 1 163, 255, 315
 Deer, Bawean Axis: *Axis kuhli*
 Deer, Black-tailed: *O. h. columbianus*
 Deer, Calamian Axis: *A. calamianensis*
 Deer, Cedros Island: *Odocoileus hemionus cerrosensis*
 Deer, Central Swamp 5 64
 Deer, Eld's: *Cervus eldi*
 Deer, Fallow: *Dama dama*
 Deer, Formosan Sika: *Cervus nippon taiouanus*
 Deer, Indian Axis: *Axis axis*
 Deer, Manipur Brow-antlered: *Cervus eldi eldi*
 Deer, Maral 1 254
 Deer, Marsh: *Blastocerus dichotomus*
 Deer, Mesopotamian Fallow: *Dama mesopotamica*
 Deer, Mule: *Moschus moschiferus*
 Deer, Mule: *Odocoileus virginianus macrourus*
 Deer, Pampas: *Ozotocerus bezoarticus*
 Deer, Père David's: *Elaphurus davidianus*
 Deer, Red: *Cervus elephas*
 Deer, Roe: *Capreolus capreolus*
 Deer, Sika: *C. nippon kopsdii*
 Deer, Swamp: *Cervus duvauceli*
 Deer, Thailand Brow-antlered: *C. eldi siamensis*
 Deer, Thorold's: *C. albirostris*
 Deer, White-tailed: *Odocoileus virginianus*
 Defoliation 2 149, 4 53, 6 62
 Degradation of toxic chemicals 1 124
Deilephila nerii 3 60
 Dementiev, Prof. George Petrovich 2 124
 Demidoff's Galago: *Galago demidovii thomasi*
Dendragapus obscurus (Blue Grouse) 2 134
 Dendrochronology 4 361–2
 Denitrification 4 349
 Denmark 1 37, 72, 4 387
 Depopulation of rural areas 5 230
Dermochelys coriacea (Leatherback Turtle) 2 13, 213–7, 5 58, 138
 Desalination 1 139, 200, 3 176
Deschampsia caespitosa 2 260
 Desert 1 217, 4 67, 228–9, 5 12, 14, 6 179–83
 Desert-scrub formations 1 59
 Development, consultation over 1 26, 2 109
 Devil's Dyke 1 38
 Devon Island 3 229
 Dez Wildlife Park 3 43–4
Dicentrarchus labrax (Bass) 2 28
Diceros bicornis (Black Rhinoceros) 2 297, 3 152, 4 226–7, 5 59, 123, 6 35, 228–30
Dicranopterus linearis 2 175
Didermoceros dumatrensis (Sumatran Rhinoceros) 1 94, 2 48, 4 309, 5 137
 Diego Garcia 1 64
 Dieldrin 1 123–4, 126–7, 174, 179, 206, 3 117, 281, 4 330, 374–5
Digitalis purpurea 1 233
 Dik Dik: *Rhyncotragus guentheri*
Dillenia ferruginea 5 315
 Dinder Game Reserve 4 229
Diomedea albatrus (Short-tailed Albatross) 4 189–93
 Dioxin exposure 4 326
Dipodomys elator (Texas Kangaroo Rat) 1 289
D. elephantinus (Big-eared Kangaroo Rat) 1 289
 Dipterocarp forest 1 24
 Directory of Environmental Consultants 5 145
Disa nigerica 1 149
 Disease-carrying in game animals 2 21, 4 149
 Disease vectors 3 113, 148, 4 18, 21, 5 16, 6 115
Disperis 1 149
 Dispersal of released exotic fish 6 292–301
 Dispersal of toxic chemicals 1 124
 Dispersion of rare stock 2 256
Distichlis spicata 1 175
 Distribution maps 1 38, 152, 260, 332, 2 134, 3 89, 143, 225, 256, 4 40–2, 5 20
 Diving depths of birds 1 74
 Djerid National Park 1 77, 78
 Dog: *Canis familiaris*
 Dogs as pests 6 199
 Dogs as predators 6 122, 124
 Domestic and game animal populations 3 179, 256, 304, 5 103
 Domestic stock and the environment 3 97, 148, 259, 4 99, 274
 Domestication of plants 2 162
 Dominican Republic 1 282
Dorcatragus megalotis (Beira) 1 288
 Dove, Collared Turtle: *Streptopelia decaocto*
 Dove, Marquesan Ground: *Gallicolumba rubescens*
 Dove, Stock: *Columba oenas*
 Dove, Turtle: *Streptopelia turtur*
 Dragonfly conservation 3 223–8
 Drainage of peatlands 2 122
Drosera rotundifolia 2 203
 Drought, effects on animals 5 123

- Dry-matter intake of macropods **3** 127
Dryas octopetala **3** 203
Dryolimnas cuvieri (Flightless Rail) **1** 65
Dryopteris goldiana **1** 256
 Duck, Black: *Anas rubripes*
 Duck, Eider: *Somateria mollissima*
 Duck, Hawaiian: *Anas wyvilliana*
 Duck, Marbled: *A. angustirostris*
 Duck ringing **2** 66
 Duck, Tufted: *Aythya fuligula*
 Duck, White-headed: *Oxyura leucocephala*
Ducula galeata (Marquesan Pigeon) **5** 231
Dugong dugon **1** 260, **2** 305–6, **3** 299–301, **4** 205–13, **6** 143–52
 Dugong netting **6** 147–9
 Dugong sex ratios **6** 148–51
 Duiker, Grey: *Sylvicapra grimmia*
 Duiker, Red-flanked: *Cephalophus rufilatus*
 Duiker, Yellow-backed: *C. sylvicultor*
 Dune development **3** 203, **6** 266
 Dungeness **1** 59
 Dunlin: *Erolia alpina*
 Dunnock: *Prunella modularis*
Durilignosa forest **5** 72–4
 Dursban **3** 118
Durvillea potatorum **6** 193
 Dusky Seaside Sparrow: *Ammospiza nigrescens*
 Dust from fertilizer plants, effects on vegetation **4** 361–8
 Dutch Elm disease **1** 70, 125
- Eagle, Bald: *Haliaeetus leucocephalus*
 Eagle, Bonellis: *Hieraetus fasciatus*
 Eagle, Booted: *H. pennatus*
 Eagle, Golden: *Aquila chrysaetos*
 Eagle, Imperial: *Aquila heliaca*
 Eagle, Sea: *Haliaeetus albicilla*
 Eagle, Steppe: *Aquila rapax*
 Eagle, White-tailed: *Haliaeetus albicilla*
 Eagles, damage by **2** 72
 Eagles, destruction **2** 71–2
 Early warning network **4** 182
 Earthquake damage **1** 302
 Earth's atmosphere **2** 83
 Earthworms **1** 124
 East Africa **1** 90, 130–4, **4** 256–62
 East African groundnut programme **1** 34
 Ecological barriers **1** 131
 Ecological desert **5** 163
 Ecological deterioration **5** 263
 Ecological disasters **5** 291
 Ecological evaluation maps **3** 170–1
 Ecological succession **4** 83–7, 241, **5** 261
 Ecologically-balanced landscapes **1** 117
- Economic utilization of wildlife **1** 15, 24, 34, 155, 177, 181, 204, 218, 222, 252, 254, 273, 277, 303, 2 16, 18–23, 35, 51–3, 94, 108, 122, 179, 185, 213, 228, 3 18–22, **5** 12, 298–9, **6** 32, 174–5
 Economics and conservation **1** 17, 18, 24, 113, 114, 116, 122, 147, 158, 203, 206, 230, 274, 289, **3** 20, 28–30, 260, **4** 115, 280, **6** 270
 Ecosystem change **6** 57–9
 Ecosystem classification studies **1** 57, **4** 24, 247, 297, **5** 38–9, 168–73, **6** 153–4
 Ecosystem diversification **5** 129, **4** 83–7
 Ecosystem management **4** 243, **5** 128, 168, 215–9
 Ecosystem theory **4** 83–7
 Ecotype conservation **6** 15–19, 114
 Ecuador **1** 251, 282, **2** 140, **4** 387–8
 Education in conservation **1** 22, 27, 113, 114, 157, 197, 205, 305, 310, **2** 73, 103, 109, 222, 264, 304, **3** 86, 209, 245, 301, **4** 25, 64–5, 290, **5** 139
- Eel: *Anguilla anguilla*
 Egg-collecting **4** 123, **5** 136, 236, **6** 222
 Egg removal **4** 123–4
 Egg sterilisation **4** 123
 Eggshell thickness **1** 126, **2** 232, **4** 376
 Egret, Great **1** 83
Egretta eulophotes (Swinhoe's Egret) **4** 89–96
E. garzetta (Little Egret) **4** 89–96
E. sacra (Eastern Reef Egret) **4** 89–96
E. thula (Snowy Egret) **4** 89–96
 Egypt **1** 129, **4** 66–7, 213, **5** 291–2, **6** 62–3
Eichhornia crassipes **1** 105, 221–2, **4** 67
 El Salvador **1** 217, 218, **4** 273–7, **5** 227–9
 Eland: *Taurotragus oryx*
 Eland, Western Giant: *T. derbianus*
Elanus caeruleus (Black-shouldered Kite) **1** 216
Elaphurus davidianus (Père David's Deer) **2** 48
 Electric fishing **6** 12, 292
 Electric power lines **1** 153
Eleocharis palustris **1** 71
E. quinqueflora **2** 202
 Elephant **1** 24, 78, 158, 204, **2** 18, **4** 201, **6** 41
 Elephant: *Loxodonta africana*
 Elephant carcasses, analysis of **3** 134–40
 Elephants, physical condition **3** 134–40
Elephas maximus (Elephant) **5** 137
 Elk **5** 6
 Elk: *Cervus canadensis*
 Elk, Tule: *C. elephas nannodes*
 Ellenberg vegetation classification **6** 3–6
 Elliot Price Wilderness National Park **1** 331
Elliotia racemosa **2** 186
Emberiza citrinella (Yellowhammer) **1** 146
 Enchytraeidae **3** 266
 Endangered animals **1** 130, 175, 180, 192, 196, 197, 199, 200, 213, 224, 237–40, 246, 275, 276–8, **2** 14, 48, 108, 111–4, 143, 170, 176, 254–5, 284, 291–2, 306,

- 3 55, 86, 89, 133, 143–5, 147, 150, 236, 294, 312,
4 73, 89, 102, 189–93, 212, 218, 219, 226, 264,
308–9, 344, 5 44, 60–2, 64, 137, 224–5, 231–2,
243–9, 276, 6 21, 48–52, 54, 106, 112–7, 118,
134–42, 184, 213–5, 228–30, 265
- Endangered habitats 3 86–7, 4 219, 249, 5 4, 311, 6
79
- Endangered plants 2 162, 185–8, 198, 218, 4 45, 255,
359, 5 147, 150–1, 163–7, 6 15, 65–7
- Endangered species, capture of 2 170
- Endemics 1 171, 237, 2 171–5, 186, 198, 218, 226, 4 45,
355, 5 48, 200–1, 315, 6 5–6, 10, 80–2, 259, 263
- Endoparasites in birds 2 268
- Endosulfan 2 35
- Endrin 1 123, 4 330
- Endymion non-scriptus* 1 205
- Ensis directus* (Razor Clam) 6 76
- Entandrophragma angolense* 1 132
- Environmental Congress, Jyväskylä 3 263
- Environmental Consultancy 4 6, 5 145, 308–9
- Environmental Defense Fund 1 69, 2 231, 3 237, 278,
4 288
- Environmental degeneration 3 247, 4 22, 289, 6 171
- Environmental education 1 28–31
- Environmental health 5 219
- Environmental quality management 5 215–9
- Environmental requirements of macropods 3 127–30
- Environmental resources 5 215–9
- Ephemoptera 4 166
- Epione vespertaria* (Dark-bordered Beauty) 2 286
- Epixerus elsii* (Ebiana Palm-Squirrel) 6 33
- Epping Forest 1 167, 252–3, 2 55–61, 3 172, 4 69
- Equateur National Reserve 1 251, 2 140
- Equisetum trachyodon* 2 201
- Equus asinus africanus* (Nubian Wild Ass) 1 283
- E. a. a. sahariensis* 4 103
- E. a. somalicus* (Somali Wild Ass) 1 283, 3 304
- E. burchelli* (Zebra) 1 158, 2 194, 3 148, 5 129
- E. hemionus* 3 42
- E. h. khur* (Indian Wild Ass) 1 283
- E. h. onager* (Persian Wild Ass) 1 285
- E. przewalskii* (Przewalski's Horse) 1 277, 2 48
- Eretmochelys imbricata* (Hawksbill Turtle) 2 13, 216,
227, 4 304, 5 58, 114–8, 6 72
- Ericaceae 1 153, 6 303–6
- Erigeron canadensis* 4 43
- E. peregrinus* 3 185
- Erithacus rubecula* (Robin) 1 125, 126, 146
- Erolia alpina* (Dunlin) 5 84
- Erosion debris, effects on vegetation 6 246–51
- Erosion due to burning 6 276, 279
- Erythrobacus patas* (Patas) 5 254
- Esox lucius* (Pike) 4 374–5, 6 11
- Esso Essen wreck 6 23
- Estonia 4 230–1
- Ethiopia 1 85, 196, 283, 332–5, 2 141, 293–8, 3 66–8,
147–9, 304, 5 88, 6 224–5
- Eucalyptus 1 118, 131, 233, 3 125, 146
- E. sideroxylon* 1 233
- Eulophia adenoglossa* 1 148, 149
- E. sordida* 1 148, 149
- Eumetopias jubata* (Sea Lion) 5 285
- Euphorbia* 1 85, 131, 133
- Euphoria obovalifolia* 1 132
- Euphotic zone 4 87
- Euphrasia nemorosa* 2 40
- EUREL 1 174
- Euro: *Macropus robustus*
- Euro, Banou Island Euro: *M. r. isabellus*
- Europa Island Marine National Park 4 307
- Europe 1 130, 136, 173, 174, 214–6, 2 309, 223–8, 4
308, 334
- European Information Centre for Nature Conservation
1 87, 4 334
- European Nature Conservation Year 1970 1 173, 208,
312, 2 74–5, 242, 251, 299, 3 297, 4 143, 5 261
- European Soil Charter 5 148–50
- European Water Charter 1 43
- Euryhaline organisms 3 33
- Eutrophication 1 127, 257, 3 226, 4 331, 348–53,
378–84, 5 17, 6 12–13, 158
- Eutrophication, experimental 1 257
- Evaluation of wildlife resources 3 206, 6 239
- Everglades National Park 6 294
- Evolution of food plant preferences 3 196
- Exotic fish 6 292–302
- Expedition Ra 2 221, 3 164–8, 4 62, 5 297, 6 60
- Expenditure on National Parks 1 158
- Exploitation of marine resources 3 7–17, 4 335–44,
5 115, 188
- Exploitation of natural resources 2 187, 291–2, 4 22,
273, 300, 5 136, 224–5, 6 33, 71–3, 120
- Exponential economic growth 3 243
- Extinct birds 1 171, 213, 315, 6 184, 268–9
- Extinct insects 6 269
- Extinct mammals 1 45, 197, 276, 336, 4 226, 273, 5 137,
6 48
- Extinct plants 2 186, 198
- Extinct reptiles 4 9
- Extinction of rare species 1 203, 204
- Extinction rates 1 226, 6 110, 271
- Fair Isle Wren 1 213
- Falco biarmicus* (Lanner Falcon) 1 216
- F. eleonorae* (Eleanoras Falcon) 6 82
- F. peregrinus* (Peregrine Falcon) 1 126, 174, 179, 206,
216, 3 168, 5 83
- F. p. pealei* (Peale's Peregrine Falcon) 1 250–1
- F. rusticolus* (Gyr Falcon) 5 83

- F. tinunculus* (Kestrel) 1 206
 Falcon, Cuckoo: *Aviceda cuculoides*
 Falcon, Eleanor's: *Falco eleanorae*
 Falcon, Gyr: *F. rusticolus*
 Falcon, Lanner: *F. biarmicus*
 Falcon, Peale's Peregrine: *F. p. pealei*
 Falcon, Peregrine: *F. peregrinus*
 Fallout of toxic chemicals 1 124
 FAO 1 13, 79, 136, 141, 155, 194, 195, 196, 223, 276,
 2 64, 105, 167, 3 175, 6 172-3
 Farm mechanization 1 146
 Farmyard manure 4 350
 Farne Islands 2 301, 4 388-90
 Faunistic diversity 1 225, 4 169, 273
 Feeding behaviour of cormorants 6 190
 Feeding behaviour of dugongs 6 151
 Feeding behaviour of egrets 4 92
 Feeding behaviour of fish 4 173
 Feeding behaviour of pochard 1 74
 Feeding behaviour of wattled cranes 6 139-40
Felis aurata 5 254
F. a. cottoni 1 131
F. caracal algirus 4 103
F. chaus (Jungle cat) 3 43
F. concolor (Cougar) 2 306, 3 296, 6 99
F. domesticus 1 177
F. hernandesii (Jaguar) 2 306
F. pardalis (Ocelot) 1 62, 3 293
F. pardus (Leopard) 3 43, 4 102
F. serval (Serval) 1 289, 3 67, 4 102, 5 254
F. s. constantina (Barbary Serval) 1 280
F. sylvestris (Wild Cat) 4 264, 6 67-9
 Fenland 1 75, 146
 Fenthion 3 118
 Fernando Po 1 149, 150
Festuca brachyphylla 2 100
F. ovina 1 41, 2 39
F. rubra 1 291-6
Ficus platypoda 3 125
 Field Studies Council 1 240
 Fieldfare: *Turdus pilaris*
 Fiji Islands 1 160, 5 92
 Finland 1 192, 200, 2 120-4, 4 161-5, 5 34, 150
 Fire hazards 6 46
 Fire protection measures 1 331
 Fire, *see also* Burning
 Fish conservation 6 7-14
 Fish disease 2 129-32, 4 232
 Fish-food 2 93, 6 11
 Fish-kills 2 35, 4 351, 5 110, 146-7, 6 70, 215-6
 Fish netting 4 261
 Fish ponds 1 35, 6 11, 301
 Fish predation 4 169-75, 261, 6 297
 Fish predation, effects on invertebrates 4 169-75, 6
 297
 Fish predators 6 299
 Fish stocking 1 222, 2 26, 132, 3 115, 4 169-75, 5
 105-13, 6 10, 56
 Fish and thermal effluents 2 28, 4 185-8, 331-2
 Flamingo: *Phoenicopterus ruber*
 Fleam Dyke 1 40
 Flood control 3 108-9, 4 110
 Flood-meadows, 3 101
 Flooding 1 176-7, 221, 255, 2 70, 94, 3 103, 109, 115,
 4 52, 6 143
 Flooding, effect on plants 4 52
 Flooding, lack of and effect on wildlife 2 192
 Flooding, out-of-season and effect on wildlife 2 192-3
 Floodplain lakes 5 146-7
 Floodplains 1 223, 2 187, 6 134-42
 Florida Keys 3 35
 Floristic and faunistic evaluation 3 169-72
 Floristic richness of chalk 2 36
 Flounder: *Platichthys flesus*
 Flower-living animals 1 227
 Flower picking 2 261
 Fluoride effects 4 366
 Flycatcher, Paradise: *Tchistrea corvina*
 Flycatcher, Tahiti: *Pomarea nigra*
 Fog, effect on lichens 2 279
 Foliage-feeding animals 1 227, 3 196
Fondia sechellarum (Toq-toq) 2 226
 Food-chains 1 35, 125-7, 146, 226, 2 6, 3 117, 273,
 281, 4 179, 182, 277, 329, 5 184, 6 10
 Food-chains, critical 2 3
 Food contamination by nuclear fallout 2 6-7, 4 182
 Food preference in *Antelope cervicapra* 5 119-22
 Food preference in Bighorn Sheep 5 193
 Food preference in Wattled cranes 6 140
 Forest of Bialowieza Reserve 1 107
 Forest conservation 1 24, 96, 130, 138, 2 108, 3 289,
 4 161-5, 5 147-8
 Forest destruction 1 118, 121, 277, 302, 340, 2 175,
 226, 3 60, 145, 220-2, 274-8, 4 162, 202, 274, 293,
 361-8, 5 134, 284, 6 48, 52
 Forest destruction by defoliation 2 150, 4 323-7
 Forest of Fontainebleau 1 106
 Forest grazing 4 164, 202, 218
 Forest management 2 121, 288, 4 162-3, 270
 Forest pests and diseases 3 288
 Forest regeneration 1 120, 3 221, 287, 4 164
 Forest reserves 1 130, 255, 3 70, 150, 314, 4 293, 298
 Forestry Commission 1 121, 2 286, 288, 4 114
 Forillon National Park 4 310
 Fosberg's classification 1 59, 6 3-6
 Fossil fuels 2 87, 125, 243, 4 332
 Foster Garden, Honolulu 1 171
 Fox: *Vulpes vulpes*
 Fox, Arctic: *Alopex lagopus*
 Fox, Ezo: *Vulpes vulpes schrenki*

- Fox, Polar: **1** 178
 Fox, Simien: *Simenia simensis*
 France **1** 37, 77, 139, 174, 192, **2** 36, **3** 224
Francolinus francolinus (Black partridge) **3** 43
Fratercula arctica (Puffin) **4** 145
 Fray Jorge National Park **1** 107
 Freshwater fish **6** 7–14, 53–6
 Frigate Birds **1** 63, 65, 67
 Frit Fly: *Oscinella frit*
 Frog, Common: *Rana temporaria*
Fulica atra (Coot) **4** 148, 374–5
 Fungal infection in fish **2** 131
- Gabon **1** 148, 149
 Gal Oya National Park **6** 219–22
Galago demidovii thomasi (Demidoff's Galago) **1** 131
G. senegalensis inustus (Bush-baby) **1** 131
 Galagos **1** 90
 Galápagos Islands **1** 97, 107, **2** 44–6, **4** 8–12, 388, 5 48–51, 6 63–4, 118–33, 188–91, 198–212
Galinsoga quadriradiata **4** 43
Gallicolumba rubescens (Marquesan Ground Dove) **5** 67
Gallinula chloropus (Moorhen) **1** 147, **4** 148
 Gallinule, Purple: *Porphyrio porphyrio*
 Game-farming **2** 20
 Game-management **2** 266–72, **3** 134, 178, **4** 242, **6** 100
 Game-ranching **2** 18–23, **5** 103, **6** 35
 Game reserves **2** 19, 48, 107, **3** 18, **4** 25, **5** 7–14
 Game shooting **1** 51, 147, 177, **2** 23, 269
 Gannet, Cape: *Sula bassana capensis*
 Gannet, South African: *S. capensis*
 Gannets **1** 161, 162, 170
 Gardens as wildlife habitats **3** 60, 191–8, **5** 22, 273, 6 259–62
 Garigue **6** 80
 Gas chromatography techniques **4** 374–5
Gasterosteus aculeatus (Stickleback) **2** 27
 Gaur: *Bos gaurus*
 Gaussian principle **3** 35
Gazella cuvieri **4** 102
G. dama **1** 78, 287
G. dorcas (Moroccan Dorcas Gazelle) **1** 287, **4** 102
G. gazella **3** 42, **4** 215
G. g. arabica (Arabian Gazelle) **1** 288
G. g. cuvieri (Cuvier's Gazelle) **1** 287
G. granti (Grant's Gazelle) **3** 67, 148
G. leptoceros (Slender-horned Gazelle) **1** 280
G. mohor **4** 102
G. pelzelni (Pelzelni's Gazelle) **1** 288
G. rufa **4** 102
G. soemmeringi (Soemmering's Gazelle) **2** 297
G. subgutturosa **3** 42
G. subgutturosa marica (Sand Gazelle) **1** 288
- Gazelle **1** 158, 277
 Gecho, Giant **1** 162
 Gemsbok Game Reserve **5** 10
 Gemsbok National Park **5** 12
 Gene-banks **1** 105, **2** 167, **4** 356, **6** 18
 Gene-flow **6** 16, 113, 165
 Gene-pools **2** 162–9, **4** 271, **6** 10, 13, 15, 18
 Genet: *Genetta tigrina*
 Genetic diversity **6** 112, 210–1
 Genetic impoverishment **6** 165
 Genetic resources **2** 162–9, 185, **6** 15
Genetta tigrina (Genet) **3** 67
 Genotypes **6** 16, 163
Gentiana amarella **1** 41, **2** 204
G. pneumonanthe **2** 286
Gentiana spp. **1** 155
Gentianella germanica **2** 37
Genyorchis elongata **3** 49
Geocapromys brownii (Jamaican Hutia) **1** 285
Geochelone elephantopus (Galápagos Tortoise) **2** 45, 6 64, 118–33, 198–212
G. e. abingdoni **4** 9
G. gigantea (Giant Land Tortoise) **1** 63–9, **2** 227, **6** 118
 Georgia **2** 133
 Geotropism in plant roots **5** 176
Geranium robertianum **1** 256
 Germ-plasm collection **4** 356
 Germany **1** 37, 137, 193, 195, 211, **2** 35, **3** 313, **4** 225–6, 373–7, **5** 258–64, 277–80
Geronticus calvus (Bald Ibis) **3** 88–91
G. eremita (Hermit Ibis) **1** 213, **3** 88, **4** 102
Geum rossii **2** 100, 102, 261, **3** 186
 Ghana **1** 149, **2** 90, **3** 50, **4** 292–300, **6** 34
 Gibbon **1** 25
 Gibbon, Dwarf: *Hylobates klossi*
 Gibbon, Indo-Chinese Lar: *H. lar pileatus*
 Ginkgo **1** 204
 Gir Wildlife Sanctuary **3** 306, **6** 225–7
Giraffa camelopardalis camelopardalis (Giraffe) **2** 297
 Glaciation effects **2** 98, **3** 202, 203
Glareola pratincola (Pratincole) **2** 192
Glaucidium passerinum (Pygmy Owl) **3** 314
Glaux maritima **1** 293
 Global Atmospheric Research Programme **4** 222
Gloriosa superba **4** 217
Glossina spp. **1** 203
Glyceria fluitans **4** 50–1
 Goats, **1** 161, 163, 164, 170, 171, 255, 315, **2** 46, 186, 3 146, **4** 8–12, **6** 64, 122, 198, 263, 268
 Goby, Sand: *Pomatoschistus minutus*
 Golden Delta Symposia **4** 316, **6** 216–7
Gomphus graslini **3** 226
 Gona-re-Shou Game Reserve **3** 152–3, **4** 226–7
Gonyaulax tamarensis **6** 76
 Goose, Bean: *Anser fabalis*

- Goose, Canada: *Branta canadensis*
 Goose, Cape Barren: *Cereopsis novae-hollandiae*
 Goose grazing 2 206
 Goose grazing, effect on crops 6 254
 Goose grazing, effect on hay yield 2 211
 Goose, Greater Snow 2 24
 Goose, Greylag: *Anser anser*
 Goose, Hawaiian 1 196
 Goose, Ne-Ne: *Branta sandvicensis*
 Goose, Pink-footed: *Anser brachyrhynchus*
 Goose, Snow: *A. caerulescens*
 Gopher, Pocket: *Thomomys talpoides*
 Goral, Red: *Nemorhaedus cranbrookii*
 Gorgonian Coral 1 53
 Gorilla 1 24, 114, 133, 277
Gorilla gorilla beringei (Mountain Gorilla) 4 194, 200, 4 203
G. g. graueri 4 201, 203
 Gorongosa Reserve 1 107, 2 63, 3 152
 Goura Pigeon 1 182
 Gran Paradiso National Park 1 107
 Grand Canyon 1 114
 Grassland conservation 5 6
 Grassland destruction 1 40, 3 1, 93, 4 45
 Grassland improvement 3 173–80, 4 45, 5 96–104
 Grasslands, marginal 1 96
 Gravel pits 1 75
 Grayling: *Thymallus thymallus*
 Grazing, on airfields 5 82
 Grazing, effects of cessation 2 37
 Grazing, effects on lizard populations 6 181–2
 Grazing, effects on vegetation 1 225, 2 38, 3 289, 4 51, 5 119–22, 6 94, 179–83, 275, 305
 Grazing and flower production 2 41, 4 137
 Grazing preferences 5 120
 Grazing pressure 1 226, 6 46
 Great Barrier Reef 1 53, 83, 84, 249, 278, 2 249, 3 60–1, 249–54, 4 206, 212, 302, 5 91
 Great Britain 1 37, 121, 126, 141, 142, 158, 180, 192, 193, 201, 206, 225–31, 274, 275, 2 36, 49, 129–32, 206, 230, 3 1–5, 143, 4 144–6, 288, 378–84, 5 3, 20–4, 232–3, 6 7–14, 57–9, 285–91
 Great Helmet Shell: *Cassis cornuta*
 Great Lakes 1 35, 5 152, 299–301, 302–4
 Great Triton: *Charonia tritonis*
 Grebe, Atitlan 3 246
 Grebe, Giant Pied-billed: *Podilymbus gigas*
 Grebe, Great Crested: *Podiceps cristatus*
 Greece 1 215, 216
 Greenland 2 118, 197, 3 255
Griffonia simplicifolia 4 296
 Gros Morne National Park 4 393–4
 Ground-water pollution 1 312
 Ground-water storage 3 110
 Grouse 1 52
 Grouse, Blue: *Dendragapus obscurus*
 Grouse, Red: *Lagopus lagopus scoticus*
 Grouse, Ruffed: *Bonasa umbellus*
 Grouse, Sharp-tailed: *Pedioecetes phasianellus*
 Grouse, Spruce: *Canachites canadensis*
 Growth rates in tortoises 6 206–7
 Growth rates in turtles 6 307
Grus americana (Whooping Crane) 1 18, 113, 6 106–11
G. carunculatus (Wattled Crane) 6 134–42
G. japonensis (Japanese Crane) 5 286
 Guadalquivir 1 259
 Guan, Horned: *Oreophasis derbianus*
 Guanaco: *Lama guanicoe*
 Guano exploitation 3 269–72, 4 350
 Guatemala 1 142, 176, 247, 297, 3 17, 5 60–3, 6 64–5
 Guemal, Chilean: *Hippocamelus bisulcus*
 Guemal, Peruvian: *H. antisensis*
 Guillemot, Black: *Cephus grylle*
 Guillemot, Common: *Uria aalga*
 Guinea 1 149, 234
 Guinea fowl, Crested: *Guttera pucherani*
 Gulf of Mexico 4 85
 Gull, Audouin's: *Larus audouinii*
 Gull, Black-backed: *L. dominicanus*
 Gull, Black-headed: *L. ridibunda*
 Gull, Common: *L. canus*
 Gull, Greater Black-backed: *L. marinus*
 Gull, Herring: *L. argentatus*
 Gull, Laughing: *L. atricilla*
 Gull, Lesser-Black-backed: *L. fuscus*
 Gull, Mediterranean: *L. melanocephala*
 Gull predation 4 117–27
 Gulls 1 170, 4 117–27
 Gunung Leuser Reserve 6 20
Guttera pucherani (Crested Guinea fowl) 1 132
Gymnogyps californianus (California Condor) 1 276, 3 143–5
Gypaetus barbatus (Lammergeier) 1 215, 3 43, 6 314
Gyps fulvus (Griffon Vulture) 1 172, 3 43

Habenaria keayi 1 148, 149
H. lelyi 1 148, 149
H. nigerica 1 148, 149
 Habitat destruction 1 24, 39, 175, 186, 256, 258, 277, 297, 2 45, 47, 187, 233, 258, 281, 3 37, 66, 93, 181, 295, 4 10–11, 276, 305, 5 22, 33–9, 60–2, 123–32, 163, 227–9, 6 20, 56, 104, 171, 184
 Habitat destruction in mosquito control 3 115
 Habitat diversity 3 131, 5 129, 6 163
 Habitat impoverishment 6 164
 Habitat modification 4 122, 392, 4 163, 6 261, 268, 274–84
 Habitat preservation 1 96, 179, 204, 257, 2 276, 3 99, 223, 288, 5 166, 192, 6 49

- Habitat selection 6 262
Habitat specialization 6 163
Hagenia abyssinica 4 198
Hake 1 36, 127
Haliaeetus albicilla (Sea Eagle, White-tailed Eagle) 1 174, 215, 2 71, 4 225–6, 373–7, 5 57, 285
H. leucocephalus (Bald Eagle) 1 126, 4 376
Halichoerus grypus (Grey Seal) 2 179, 4 388, 5 186, 6 285–91
Halimione portulacoides 1 293
Hallstrom Park Bird of Paradise Sanctuary 1 181
Hampshire 3 101–6, 169–72
Hampton Court Park 1 166
Haplochromis 4 261, 301, 5 305–7
Haptotropism in plant roots 5 179
Hare: *Lepus europaeus*
Hare, Blue: *L. timidus*
Hare, Hispid: *Caprolagus hispidus*
Harrier, Montagu's: *Circus pygargus*
Hartebeest, Jackson's: *Alcephalus busephalus jacksoni*
Hartebeest, Wayne's: *A. b. swaynei*
Hartebeest, Tora: *A. b. tora*
Hautes Fagnes 1 236
Hawaiian islets 1 53, 177, 5 93
Hawthorn 1 42, 168
Heathland management 6 303–6
Heavy metal pollution 4 331, 5 17, 6 160
Hedge rows 1 117, 119, 145, 146, 210, 2 230, 311, 5 3, 6 240
Hedge rows, disappearance of 2 231, 5 3
Helianthemum chamaecistus 1 41
Hemiptera 4 170
Hemitragus jayakari 1 287
Hen and Chicken Islands 1 313
Heptachlor 1 123, 126, 179, 206
Heptachlorepoxyde 4 374
Herbicides as a weapon 4 322–7
Herminium monorchis 2 41
Heron 1 168
Heron, Black-crowned Night: *Nycticorax nycticorax*
Heron, Chinese Pond: *Ardeola bacchus*
Heron, Purple 1 83
Herring: *Clupea harengus*
Heteropogon contortus 1 218
Heterozygosity 6 16, 112
Hevea brasiliensis 1 104, 5 136
Hexachlorobenzene 4 374–5
Hexane 1 124, 4 374
Heywoodia lucens 1 132
Hibiscus 2 186
Hibiscus insularis 1 165, 171
Hickling Broad 1 72
Hieraaetus fasciatus (Bonelli's Eagle) 1 215
H. pennatus (Booted Eagle) 6 82
Hieracium pilosella 1 41
Hippocamelus antisensis (Peruvian Guemal) 1 287, 5 247
H. bisulcus (Chilean Guemal) 1 282, 5 247
Hippocrepis comosa 1 41
Hippophae rhamnoides 4 380
Hippopotamus amphibius 2 70, 193, 3 148, 5 253, 6 35
Hippopotamus, Pigmy: *Choeropsis liberiensis*
Hippotragus equinus 4 149, 5 254
H. niger (Sable Antelope) 2 18
H. niger varians (Giant Sable Antelope) 1 280
Historical ecology 1 20, 6 239–45, 259–60
Hog, Giant Forest: *Hylochoerus meinertzhageni*
Hog, Pygmy: *Sus salvanius*
Hog, Red River: *Potamochoerus porcus*
Hokkaido, Japan 5 282–9
Holland Park 1 166
Home range in brown bear 4 265
Home range in Cape Barren Geese 6 252–7
Home range in deer 6 114
Home range in elephants 5 129
Home range in macropods 3 127
Home range in Quetzal 1 300
Home range in seals 2 183
Homozygosity 6 165
Honduras 1 224
Hong Kong 4 89–96
Hornbill, White-crested Long-tailed: *Tropicus albobristatus*
Horse, Przewalski's: *Equus przewalskii*
Horses as pests 1 163
Houston Ship Canal 4 85
Hudson Bay 1 86
Human colonisation of unsettled areas 6 126
Human desecration of wildlife 2 123, 143, 5 116, 6 121
Human interference on National Parks 3 287, 4 114, 203, 268, 5 25–32, 6 98
Human predation, effects of 2 181, 3 294, 4 103, 148, 5 22, 6 121, 254, 268
Human pressure on the Arctic 2 197, 3 141–3
Human pressure on environment 2 194, 257–65, 3 58, 4 94, 6 100
Hungary 1 37, 138, 214, 215
Hunting, big game 1 254, 2 294, 3 23, 255, 293–7, 5 12, 224–5, 6 104, 120
Hunting, birds 2 136, 143, 253, 3 58, 211, 233, 4 70–1, 142, 5 181–4, 6 185, 213–5, 255
Hunting, dugong 2 306
Hunting ethics 3 257, 261, 344, 5 276
Hunting, Ibex 2 297
Hunting, introduced mammals 6 198
Hunting legislation 2 108
Hunting, polar bear 1 248, 2 117, 119, 4 98
Hunting, predatory animals 1 183
Hunting Rationalization Research Group 3 217–9
Hunting, recreational 3 20, 148, 255, 5 287

- Hunting, red deer **1** 238
 Hunting rights **1** 174
 Hunting, seal **2** 35, 179, 265, **5** 189–90
 Hunting, subsistence **3** 20
 Hunting techniques **2** 143, 182, **3** 219, **5** 115–6, **6** 185
 Hunting, turtle **2** 14
 Hunting, whale **4** 335–44
 Hutia, Cuvier's: *Plagiodontia aedium*
 Hutia, Dominican: *P. hylaeum*
 Hutia, Jamaican: *Geocapromys brownii*
 Hyaena **1** 158
Hyaena hyaena baribara (Barbary Hyaena) **1** 286
 Hyaena, Spotted **4** 201
 Hybridization **6** 28
Hydrobia jenkinsi **1** 72
Hydrobia spp. **1** 73, 75
Hydrochoerus hydrochaeris (Waterbog, Capybara) **1** 97, **3** 294, 296
 Hydroedaphic succession **5** 36
 Hydroelectric schemes **1** 186, 222, 331, **2** 70, 90, 124, 143, 195, 310, **3** 107, 290, 305–6, **4** 15, 152, 166–8, 392, **5** 107–8, 137, 285, **6** 12, 134
 Hydrogen **4** 178
 Hydrogen sulphide in reservoirs **1** 221
 Hydrographic changes **4** 19–20
 Hydroseeding **5** 194
Hyemoschus aquaticus cottoni **1** 131
Hygromia liberta **1** 230
Hylobates klossi (Dwarf Gibbon) **1** 284
H. lar lar (Sibbou) **6** 22
H. lar pileatus (Indo-Chinese Lar Gibbon) **1** 282
H. syndactylus (Siamang) **6** 22
Hylochoerus meinertzhageni (Giant Forest Hog) **5** 253
Hymenoxys grandiflora **2** 262
Hyphaene indica **6** 65–7
Hypolimnas misippus **3** 195
 Hyrax **1** 90

Iberis amara **2** 37
 Ibex: *Capra ibex*
 Ibex, Abyssian **1** 334–5
 Ibex, Nubian: *Capra nubiana*
 Ibex, Walia: *C. waliae*
 Ibis, Bald: *Geronticus calvus*
 Ibis, Glossy: *Plegadis falcinellus*
 Ibis, Hermit: *G. eremita*
 Ibis, Japanese Crested: *Nipponia nipon*
 Ibis, Sacred: *Threskiornis aethiopicus*
 Iceland **1** 178, 213, 216, **2** 212, **3** 305–6
 Idaho Falls Reservoir **1** 16
 Iguana: *Conolophus subcristatus*
 Iles-de-la-Paix Waterfowl Breeding Area **1** 258
Ilex aquifolium **1** 59

 Impala: *Aepyceros melampus*
 Impenetrable Forest **1** 133
 Impoundment in mosquito control **3** 115
 Inbreeding in plants **6** 165
 Inbreeding in tortoises **6** 210
 Index of abundance **4** 337–8
 India **1** 129, 192, 197, 283–4, **2** 196, **3** 306, **4** 58, 214–9, 390–1, **5** 119–22, 233, **6** 49, 225–7, 231–2
 Indian Ocean **1** 63, 65, 198, **2** 63, 171, **4** 304, **5** 88
 Indicator species **6** 3–6, 7, 239–45
 Indochina **4** 322–7
 Indonesia **1** 284, **4** 308–9, **6** 20
 Indo-Pacific Ocean **2** 246–51, **5** 87–95
 Industrial archaeology **3** 91–2
 Industrial progress **1** 27, **2** 120, 128, 224, **3** 8, 247, 279, **5** 289
 Industrialised farming **5** 2
 Information banks **4** 23
Inia geoffrensis (Orinoco Dolphin) **1** 97
 Insect conservation **2** 280–1
 Insect counts **5** 270–5
 Insecticides **1** 123–9, 137, 174, **2** 298, **4** 276
 Insolation **1** 153, 229, **4** 54
 INSPECT **4** 141–2
 Institute of African Research and Studies, Cairo University **4** 213
 Intecol **3** 298
 Integrated control of mosquitoes **3** 119
 International Biological Programme **1** 14, 17, 25, 31, 35, 57, 60, 67, 77, 92, 114, 198, 247, 248, 340, 344, **2** 166, 198, **3** 12, 87, 143, 153, 229, 234, **4** 2–6, 71, 385, **5** 33–9, **6** 3
 International Biological Programme Handbooks **1** 20
 International Conference on Environmental Future **4** 26–9, 371
 International co-operation **1** 23, 113, 135, 191, 198, 241–7, 316, 319, **2** 167, 291–2, **3** 8, 56, 218, 304, **4** 1–6, 27, 98, 143, **5** 4, 139, **6** 52, 170
 International Council for Bird Preservation **1** 15, 36, 67, 137, 184, 194, 196, 247, **3** 87, 154, 157, 168, **5** 40, 290, **6** 176
 International Council of Environmental Law **4** 175
 International Geophysical Year **1** 113
 International Hydrological Decade **1** 114, 311, **4** 3, **6** 174
 International Ocean Institute **5** 141
 International supervision **1** 23
 International Union of Biological Sciences **3** 56
 International Union for the Conservation of Nature and Natural Resources (IUCN) **1** 13, 24, 26, 54, 61, 67, 79–80, 104, 106–10, 114, 115, 136, 141, 165, 174, 191–9, 208, 213, 241, 248, 317, **2** 34, 68, 105, 196, 220, 230, 244, 292, **3** 32, 46, 87, 244, **4** 108, 168, 219, 262, **5** 33–9, 166, **6** 112, 171–3

- IUCN Commission on Ecology **1** 80, 109, 114, 192, 195, 249
- IUCN Commission on Education **1** 30, 81, 109, 192, 193, 195, 197, **2** 12, 104, **3** 302
- IUCN Commission on Environmental Policy, Law and Administration **3** 92
- IUCN Commission on Legislation **1** 81, 192, 195, 197, 198, **2** 292
- IUCN Committee on Landscape Planning **1** 18, 81, 192, 195, 198, **2** 256
- IUCN Environmental Law Centre **5** 309–10
- IUCN International Commission on National Parks **1** 81, 109, 115, 192, 196
- IUCN Morges Manifestos **1** 193, **4** 184
- IUCN Survival Service Commission **1** 14, 62, 80, 109, 192, 195, 196, 197, 276, **2** 170, **3** 46, 133, 245, 284, **5** 243–9, **6** 20, 116
- IUCN Working Meetings of Polar Bear Specialists **1** 99, **3** 154
- IUCN Zoo Liaison Committee **1** 192
- International Water Resources Association **4** 360
- International Whaling Commission **4** 335, **5** 55–7
- International Wildfowl Research Bureau **1** 15, 113, **2** 65, **3** 87, 217
- Inter-Parliamentary Union **1** 135, **2** 31–4, 245
- Interplanetary pollution **2** 178
- Intertidal fauna **3** 35
- Introduced predators and wildlife **6** 122–5, 268
- Introduction of amphibians **5** 20
- Introduction of domesticated animals **4** 274, **6** 122–5
- Introduction of exotic animals **2** 307
- Introduction of exotic birds **6** 214
- Introduction of exotic crop plants **3** 191, **5** 48–51
- Introduction of exotic fish **4** 169–75, 262, **5** 221–2, **6** 11, 292–302
- Introduction of exotic plants **3** 5, 53, 146, **6** 57–9
- Introduction experiments with plants **4** 135
- Introduction of goats **4** 9
- Iodine **2** 5, **4** 178
- Ipomoea zanzibarica* **1** 133
- Iran **1** 88, 254, 285, **2** 53, 65, **3** 37–45
- Iraq **1** 129
- Ireland **1** 179, **5** 20, 41–4
- Irish Society for the Protection of Birds **1** 179
- Irrigation **3** 101, 109, 176, **4** 167, 392, **5** 137, 291
- Irrigation and grazing **3** 103
- Island ecosystems **1** 159, 198, **4** 228, 251, **5** 199, **6** 119, 164, 271
- Island flora **2** 186
- Isle of Rhum **2** 57
- Isoberlinia* **1** 133
- Isoetes lacustris* **2** 201
- Isolated populations **6** 164
- Isoodon barrowensis* (Barrow Island Bandicoot) **3** 125
- Israel **1** 118, 136, 233, **5** 150–1
- Italy **1** 77, 84, 192, 193, 214, 215, 216, **2** 143, **3** 68, 307, **4** 70–1, 263–72, **5** 181–4, 235, **6** 67–9, 213–5, 312–3
- Ivory Coast **1** 285, **5** 251–7
- Ixodes ricinus* **2** 268
- Jacaré: *Caiman yacare*
- Jackal: *Canis aureus*
- Jaguar: *Felis hernandesii*
- Jaguar: *Panthera once*
- Jaktorowska Primeval Forest **1** 46
- Jamaica **1** 285
- Jan Mayen Island **1** 216
- Japan **1** 36, 278, 320, 324, **2** 227, **3** 279, **5** 64–6, 143, 281–9
- Japan Marine Parks Center **1** 89, **2** 67, **5** 64–6
- Japan National Park **6** 94–101
- Java **1** 197, **2** 68
- Jean Delacour World Waterfowl and Gamebird Preservation Center **1** 178
- John Pennekamp Coral Reef Park **1** 53
- Joint Committee for the Conservation of British Insects **2** 280–1
- Julbernardia globiflora* **5** 101
- Juncus alpina* **2** 202
- J. gerardi* **1** 293
- Juniper Scale: *Carulaspis minima*
- Juniperus* **1** 130, 254
- J. bermudiana* **3** 220–2
- Kafue Flats **6** 134–42
- Kafue National Park **1** 107
- Kafue Reservoirs **1** 220, 222, 223
- Kakamega Forest **1** 132
- Kalahari Gemsbok Game Reserve **3** 20
- Kangaroo, Eastern Grey: *Macropus giganteus*
- Kangaroo Rat, Texas: *Dipodomys elator*
- Kangaroo, Red: *Megaleia rufa*
- Kangaroo, Western Grey: *Macropus fuliginosus*
- Kanha National Park **5** 64, **6** 51
- 'Kariba weed' **1** 219
- Karkeh Protected Region **3** 43–4
- Karura Forest **1** 132
- Katanga National Park **1** 107
- Kavir Protected Region **3** 42
- Kenya **1** 86, 90, 130, 131, 132, 148, 149, 192, 208, 278, 286, **3** 232, **4** 148–50, 309, **5** 88, 123–32, **6** 35, 41
- Kestrel: *Falco tinunculus*
- Khao Yai National Park **4** 150–1
- Khutse Game Reserve **5** 13
- Kidepo National Park **3** 312
- Kidney-fat index in condition evaluation **3** 139

- Kikuyu **1** 130
 Kinabalu National Park **1** 24
 Kite, Black-shouldered: *Elanus caeruleus*
 Kite, Red: *Milvus milvus*
 Kittiwake: *Rissa tridactyla*
 Klipspringer: *Oreotragus oreotragus*
 Kluane National Park **4** 303, 395–7
 Kob, Senegal: *Kobus kob kob*
Kobresia myosuroides **2** 102, 197, 260–1, **3** 183, 186, **6** 89
Kobus defassa (Waterbuck) **2** 19, 70, **3** 148, **5** 253
K. ellipsiprymnus (Waterbuck) **2** 193–4
K. kob kob (Senegal Kob) **5** 253
K. leche (Lechwe) **2** 19
Koeleria pohleana **2** 199
Koenigia islandica **2** 99
Kogia breviceps (Sperm Whale) **1** 97
 Korea **1** 115
 Kruger National Park **1** 107, **2** 17, 63, **3** 71, 152, **4** 59, **6** 170
 Krummholz vegetation **6** 90
 Kudu, Greater: *Tragelaphus strepsiceros*
 Kudu, Lesser: *T. imberbis*
 Kudu, Tropical: *Pueraria phaseoloides*
 Kushimoto Marine Park **5** 65–6
- La Dombes **1** 335
 La Mauricie National Park **4** 310
Labeovictorianus **5** 306–7
 Laboratory animals **3** 167, **5** 23
Lacerta agilis (Sand Lizard) **6** 303
 Lacey Act **1** 61, **2** 291–2
 Lack, David S., **6** 212
Lactoris fernandeziana **2** 186
 Lacustrination **2** 91
Lagopus lagopus scoticus (Red Grouse) **2** 266–72, **3** 211–5, **5** 41–4
L. leucurus (White-tailed Ptarmigan) **2** 100
L. mutus (Ptarmigan) **1** 183, **2** 268
Lagorchestes conspicillatus (Spectacled Hare Wallaby) **3** 125
Lagunaria patersonia **1** 171
 Lake Albert **5** 300
 Lake Atitlan **1** 176, 247, **2** 142
 Lake Baikal **3** 246, **4** 260, 305, **5** 142, 304
 Lake Balata, Hungary **1** 138
 Lake Constance **1** 75, **4** 346
 Lake District National Park **4** 114
 Lake Erie **1** 127
 Lake Geneva **4** 347
 Lake Hallwill **4** 347
 Lake Jebel Auliya **1** 220, 221
 Lake Kainje **1** 220, 223
 Lake Kariba **1** 220, 221, 223, **2** 189–96
 Lake Malawi **4** 259, **5** 300–1, 303, 304
 Lake Manyara National Park **1** 156, 157
 Lake Michigan **1** 126, 127
 Lake Mweru **1** 222
 Lake Naivasha **6** 40
 Lake Nasser **1** 220, 223, **5** 291–2
 Lake Peder National Park **1** 331
 Lake productivity **1** 221–3
 Lake protection **2** 123, **4** 256
 Lake Roseires **1** 220
 Lake Sennar **1** 220
 Lake Tanganyika **1** 133, 156, 222, **4** 257, 301, **5** 303
 Lake Tchad **1** 289, **5** 300
 Lake Trout **1** 35
 Lake Valence **1** 138
 Lake Victoria **1** 133, **4** 261, 301, **5** 300–1, 303, 304–7
 Lake Volta **1** 220, 223, **2** 90–5
 Lake Zurich **4** 351, 352
 Lal Suhanra Reserve **2** 24
Lama guanicoë (Guanaco) **1** 97
Lama vicuna (Vicuna) **1** 80, 81, 97
Laminaria hyperborea **4** 331
 Lammergeier: *Gypaetus barbatus*
Lampetra fluviatilis (Lamprey) **1** 252
 Land capability maps **2** 305
 Land consolidation schemes **1** 209, **5** 3
 Land management and conservation **1** 49, 198, **3** 111, **5** 192
 Land reclamation **5** 277–80
 Land-use changes **1** 37, 52, 119, 210, **2** 281, **3** 191, **5** 2, 45, **6** 259
 Land-use history **2** 36
 Land-use planning **1** 27, 33, 50, 198, **3** 169, **5** 130
 Land utilization **1** 16, 50, 209, **2** 103, **5** 41, 131, **6** 12–13
 Landscape design **1** 27, 117, 210
 Landscape destruction **1** 118
 Landscape diversity **1** 121, **5** 1, 262
 Landscape ecology **5** 260
 Landscape gardens **5** 258
 Landscape management **2** 120, **5** 259–60
 Landscape planning **1** 210, 211, **3** 169, **5** 1–5, 260
 Landscape reclamation of derelict areas **1** 120, 253–4, **3** 176
 Landscape reconstruction **5** 3
 Langur, Pig-tailed: *Simias concolor*
 Laos **4** 323
 Lapland **2** 121
 Lapland Longspurs: *Calcarius lapponicus*
 Laponie Reserve **1** 107
 Lapwing: *Vanellus vanellus*
 Large Blue Butterfly: *Maculinea arion*
Larrea divaricata **6** 179
Larus argentatus (Herring Gull) **1** 126, **4** 117
L. atricilla (Laughing Gull) **4** 119
L. audouinii (Audouin's Gull) **1** 216

- L. canus* (Common Gull) 4 148
L. dominicanus (Black-backed Gull) 3 269, 4 121
L. fuscus (Lesser Black-backed Gull) 4 117
L. marinus (Greater Black-backed Gull) 4 117
L. melanocephalus (Mediterranean Gull) 4 118
L. ridibundus (Black-headed Gull) 4 148
Lates niloticus 4 261, 5 221-3
 Latimeria 1 204
 Latin America 1 95, 122, 155, 196, 198, 217, 218
 Laurentian Great Lakes 4 87
 Laysan Albatross 1 65
 Lead poisoning 1 73, 5 17
 Lechwe: *Kobus leche*
 Leeches 3 265-8
 Leguraan, White: *Varanus niloticus*
 Lemmings 3 142, 230
 Lemna 1 73, 74
Leontideus chrysomelas (Marmoset) 4 66
L. chrysopigus (Marmoset) 4 66
L. rosalia (Golden Marmoset) 1 281, 4 66
Leontodon autumnale 2 204
L. hispidus 1 41, 228
Leontopodium alpinum 1 104
 Leopard: *Panthera* (*Felis*) *pardus*
 Leopard, Anatolian: *P. p. tulliana*
 Leopard, Barbary: *P. p. panthera*
 Leopard, Clouded: *Neofelis nebulosa*
 Leopard, Snow: *Panthera uncia*
Leopardus pardalis (Cunaguaro) 1 97
Lepidochelys kempi (Atlantic Ridley Turtle) 2 13-17
L. olivacea (Pacific Ridley Turtle) 2 13-17, 4 128-33, 5 58
Lepidosaphes newsteadi (Oyster-shell Scale) 3 221
Leptohylemyia coarctata (Wheat Bulb Fly) 1 206
Leptopterna ferrugata 1 227, 229
Lepus europaeus (Hare) 1 51, 146, 6 68
L. timidus (Blue Hare) 1 179
 Lesser Antilles 6 184-7
Leucaena leucocephala 5 6
Leuciscus leuciscus (Dace) 2 27, 6 11
Leucojum aestivum 3 62
 Libya 1 129
 Lichens 2 278-9, 3 184, 186, 230, 5 28
 Life on Mars 2 188
 Lignite mining 5 277-80
 Ligue Suisse pour la Protection de la Nature 1 10, 108
Lilium spp. 6 26-31
 Limestone 1 180, 256, 6 80
 Limestone, carboniferous 1 37
 Limestone, Devonian 1 37
 Limestone, Magnesian 1 37
 Limestone, Onodaga 1 256
 Limestone, oolitic 1 37
Limnaea 1 73
Limnothrissa miodon 1 222
Limonium humile 1 293
Lindenia tetraphylla 3 226
 Linear landscapes 5 45-7
 Linnaean Society of London 1 207
Linum catharticum 1 41, 2 42
 Lion: *Panthera leo*
 Lion, Asiatic: *P. l. persica*
 Liquid manure in aquatic habitats 4 351
 Litter, leaf 1 229, 2 38, 271, 4 50-1, 5 316, 6 304
 Living fossils 1 204
 Lizard, Leopard: *Crotaphytus wislizenii*
 Lizard, Sand: *Lacerta agilis*
 Lizard, Side-blotched: *Uta stansburiana*
 Lizard, Whip-tailed: *Cnemidophorus tigris*
 Lizard, Zebra-tailed: *Callisaurus draconoides*
 Llama grazing 3 146
Lobivamellus albiceps (White-headed Plover) 2 192
 Lochinvar National Park 6 135
Lodoicea maldivica 1 93, 114, 2 172, 173, 4 228, 5 314-6
 London Natural History Society 1 166
 London Plane tree 1 168
 London wildlife 1 166, 252
Lophura swinhoi (Swinhoe's Pheasant) 1 184, 2 48
 Lord Howe Island 6 263-73
 Loricariidae 6 298
 Lorikeet, Ultramarine: *Vini ultramarina*
Loxia curvirostra (Crossbill) 6 82
Loxodonta africana (Elephant) 1 78, 2 194, 297, 3 134-40, 5 123-32, 253, 6 35
 Luangwa Valley National Park 3 134
 Lullington Heath National Nature Reserve 4 379, 383
 Lumbiculidae 3 266
 Luneburg Heath 1 236
Lutra canadensis (Otter) 4 310
L. lutra (Otter) 3 314, 4 264, 6 68
L. platensis (La Plata Otter) 3 133
 Luxembourg 1 174
Luzula spicata 3 185
Lycaena dispar 5 274
Lycaron pictus (Wild Dog) 5 254
Lycopodium tristachyum 4 310
Lynx canadensis (Lynx) 4 310, 5 151-2
L. lynx 2 123, 4 98-9, 264
Lysandra coridon (Chalkhill Blue) 1 230
 Mabuasehube Game Reserve 5 13
Mabuya wrightii (Skunk) 2 227
Macaca fascicularis (Macaque) 6 22
M. nemestrina 6 22
Maccullochella macquariensis 6 53-6
 Machair 3 199
 Mackerel 1 127
Macoma balthica 1 73
Macromia splendens 3 224-5

- Macropod conservation 3 123–32, 5 298–9
 Macropods, differences in body weight 3 127
 Macropods, natural diet
Macropus fuliginosus (Western Grey Kangaroo) 5 298
M. giganteus (Eastern Grey Kangaroo) 5 298
M. robustus (Euro) 5 298
M. r. isabellinus (Banon Island Euro) 3 125
Maculinea arion (Large Blue) 5 274
 Madagascar 1 14, 24, 192, 197, 2 309, 4 130, 5 114–8
 Majorca 1 215, 6 3–6, 79–83
 Makgadikgadi Pans Game Reserve 5 13, 59
 Malaise trap 3 192
 Malaria eradication 2 298
 Malathion 3 118
Malaxis weberbaueriana 1 149
 Malaya 1 94, 104
 Malaysia 1 91, 172, 259, 5 88, 133–40
 Maldives Islands 1 93
 Malhevo National Wildlife Refuge 2 254
 Mallard: *Anas platyrhynchos platyrhynchos*
 Man and Biosphere 4 1–6, 314–5, 6 174
 Man and elephants 5 123–32
 Man and Resources Programme 5 226–7
 Mana Pools Game Reserve 2 189
 Management, cessation 1 228
 Management, of chalk grassland 2 36–43, 4 378–84
 Management mistakes 4 242, 261, 301, 341, 5 49, 302
 Management of nature reserves 1 225, 2 285–91, 3 131, 4 50–1, 5 312–3
 Management objectives 4 242, 243, 6 272
 Management research 4 242, 5 43–4, 6 114
 Management techniques 2 135, 3 20, 4 51, 117, 241, 378, 5 43–4, 100, 112, 6 58, 65
 Manas Wildlife Sanctuary 6 49
 Manatee: *Trichechus inunguis*
 Manatee, Sea Cow: *T. manatus manatus*
 Manatee, West African: *T. senegalensis*
 Mangabey, Black: *Cercocebus albigena*
 Mangabey, Tana River: *C. galeritus*
 Mangrove forest 1 65, 68, 4 38–9
 Mangrove forest destruction 4 325, 6 143
 Man-made lakes 1 219, 2 90–95, 190, 4 15, 21, 29, 156, 168, 173, 203
 Man-made landscapes 3 101, 5 1
 Manu National Park 3 245
 Manuring 1 225, 2 212
 Maoris 1 161–4
 Maputo Game Reserve 2 63, 3 152
 Maquis 6 5, 80
 Marchauen/Marchegg Reserve 3 62, 245
 Marine Hill Forest 1 132
 Marine nature reserves 1 259, 2 65
 Marine parks 1 157, 278, 2 67, 72, 3 8, 245, 4 227, 302, 5 64–6
 Marine phytoplankton 1 127, 4 329
 Marine productivity 4 331
 Marine research 4 385
 Marmora's warbler: *Sylvia sanda*
 Marmoset: *Leontideus chrysopigus*
 Marmoset, Golden: *L. rosalia*
Marmota flaviventris (Marmot) 6 90
 Marquesas Islands 5 66–7
Marsila quadrifolia 4 45
 Marsupials 1 14, 192
 Marten: *Martes martes*
Martes flavigula chrysospila 1 288
M. foina 3 43, 4 264
M. martes (Marten) 4 264, 6 68
 Maryland 1 126
Matricaria discoidea 4 43
M. matricarioides 3 185
 Matsalu Reserve 4 230
 Matto Grosso 1 26
 Mbizi Forest 1 133
 Meadow Pipit: *Anthus pratensis*
 Mechanical clearing of scrub 5 101, 6 276
 Mechanized farming 1 146, 147, 210, 5 15
 Medicinal plants 1 151, 2 186, 219
 Mediterranean 1 53, 2 11, 5 4
Medusagyne oppositifolia 2 174
Megaleia rufa (Red Kangaroo) 5 298
Megaptera nodosa (Humpback Whale) 4 337
 Meiobenthos 3 35
 Melanism 5 272
Melanitta nigra (Common Scoter) 1 323
Melaraphe unifasciata 6 194–5
Meles meles (Badger) 4 264
Melhania melanoxylon 2 187
Mellivora capensis (Honey Badger) 3 43, 5 254
 Mercury pollution 3 279–83, 4 155, 331, 374–5, 5 52–3, 6 158
Merops bullocki (White-fronted Bee-eater) 2 192
M. nubicus (Carmine Bee-eater) 2 192
 Merritt Island National Wildlife Refuge 1 175
Mertensia drummondi 2 200
M. viridis 3 184
 Methoxychlor 3 117
 Methyl-mercury 4 331, 375
 Mexico 1 95, 107, 180, 217, 218, 286, 336, 2 13–17
Miarus campanulae 1 228, 229
 Mice 1 163
 Michigan Natural Areas Council 2 144–6
 Microclimate 1 230, 235
Microcoelia microglossa 1 148, 149
 Microhabitats for invertebrates 1 230
Micropeza (= *Tylos*) 1 227
Micropterus salmoides (Largemouth Bass) 1 176, 177, 247
Microtus pennsylvanicus (Meadow Vole) 5 130
M. p. provectus (Block Island Meadow Vole) 3 150–1

- Mikumi National Park 1 156, 157
 Military developments 1 64, 65
 Military interests in the sea 3 11
 Military spraying 4 322–7
 Military training grounds 2 286, 3 2
Millettia puguensis 1 133
Milvus milvus (Red Kite) 6 82
 Mimosine 1 218
 Mindanao Gymnure: *Podogymnura truei*
 Mineral exploitation 1 83
 Mineral fertilizers 2 187
 Mink-farming 1 277
Minuartia obtusiloba 3 184
 Minzio Forest 1 132
 Mire ecosystems 5 35–9
 Mlilwane Game Sanctuary 1 184, 232, 2 63
 Models 6 107
 Mohammed Reza Shah Wildlife Park 1 254, 3 42–3
 Mojave Desert 6 179–83
 Molluscs 1 73, 2 284, 3 266
Monachus monachus (Mediterranean Monk Seal) 1 277, 287
M. tropicalis (Caribbean Monk Seal) 1 286
Monesis uniflora 2 204
 Monitoring 1 241–2, 3 282, 4 23, 28, 182, 244, 5 170–1
 Monkey, Brazza: *Cercopithecus neglectus*
 Monkey, Gelada: *Theropithecus gelada*
 Monkey, Golden: *Cercopithecus mitis kandti*
 Monkey, Hoest's: *C. hoesti*
 Monkey, Howler: *Alouatta villosa*
 Monkey, Leaf: *Presbytis aygula thomasi*
 Monkey, Mona: *Cercopithecus mona*
 Monkey, Owl-faced 1 62
 Monkey, Spider: *Ateles geoffroyi*
 Monkey, Squirrel: *Saimiri sciureus*
 Monkey, Sykes: *Cercopithecus mitis kolbi*
 Monkey, Woolly Spider: *Brachyteles arachnoides*
 Monks Wood Experimental Station 5 23
 Monocultures 1 24, 25, 145, 3 170, 4 46, 164, 5 15
 Mont Leuser Reserve 4 309
 Moor House National Nature Reserve 4 135
 Moor management 2 266–73
 Moorhen: *Gallinula chloropus*
 Moose: *Alces alces*
 Moremi Wildlife Reserve 3 19, 5 11
 Morganza Floodway 6 69–70
 Morne Seychellois National Park 5 154
 Morocco 1 129, 286, 4 356–9
 Morris Animal Foundation 4 101
Moschus moschiferus moschiferus (Mule Deer) 2 26, 5 243
 Mosquito biology 3 114
 Mosquito biting behaviour 3 114
 Mosquito control 3 113–22, 142
 Mosquitos and cattle 3 113
 Mosquitos and tourists 3 113
 Mouflon, Asiatic 1 254
 Mount Bruce Native Bird Reserve 1 239
 Mount Elgon 1 133
 Mount Everest 1 114
 Mount Kilimanjaro 1 156
 Mount Rainier National Park 2 76
 Mouse, Fat-tailed Marsupial: *Antechinus macdonnellensis*
 Mouse, White-footed: *Peromyscus leucopus*
 Mowing vs. grazing 1 225, 230, 2 41, 3 103, 4 378–83, 6 304
 Mozambique 2 189, 3 299–301, 4 129, 5 88
 Muddus National Park 1 236
 Muguga Estate, East Africa 1 130, 131
 Multiple use planning 1 15, 53, 120, 210, 2 285–91, 3 108, 208, 286, 289, 4 109, 114, 391, 5 3, 131, 268, 280, 6 61
Muntiacus crinifrons (Black Muntjac) 5 244
M. feae (Fea's Muntjac) 1 281, 5 245
 Murchison Falls National Park 1 186, 2 309, 3 283–4, 312, 4 152
 Muskox: *Ovibus moschatus*
Mustela erminea (Stoat) 1 146
M. nivalis 1 146, 6 68
M. putornis (Polecat) 6 68
 Mutomo Hill Plant Sanctuary 1 90, 131, 3 245
 Muttonbird: *Pterodroma macroptera gouldi*
 Mycorrhiza 1 153
 Mynah Bird: *Acridotheres tristis*
Myrina silenus 3 196
Myriophyllum alterniflorum 2 203
Myriophyllum sp. 1 73, 74, 75
Myrmecophaga tridactyla (Giant Anteater) 1 281
Mytilus edulis 1 73, 75, 6 76
 Myxomatosis 1 52
 Nahanni National Park 5 69–72
 Nahuel Huapi National Park 1 79, 107
Nannopterum harrisi (Flightless Cormorant) 6 188–91
Narcissus pseudonarcissus 5 47
 Narcotizing 4 121
Nardus stricta 6 245–51
 National Academy of Sciences 1 24, 64, 65, 66, 67, 68
 National Audubon Society 1 67
 National Geographic Society 1 176, 247
 National park distribution 4 251
 National park planning 1 115, 5 130
 National Parks 1 18, 21, 24, 97, 106, 114, 117, 130, 136, 155, 156–8, 183, 191, 192, 196, 199, 208, 251, 308, 2 45, 106, 115, 121, 176, 263, 295, 3 18, 66, 69–70, 83, 150, 189, 231, 244, 285–92, 308–9, 312, 313, 4 24, 165, 241–6, 247–55, 278, 279–84, 303, 310–1, 5 3, 7–14, 25–32, 153–5, 265, 281–9, 6 51, 70

- National Research Council of Canada **1** 169
 National Trails System **2** 76
 National Trust (UK) **1** 107, **3** 4
 Natural Environmental Research Council **1** 66, 253
 Natural resources, utilization of **1** 27, 49, 112, 122, 136, 137, 151, 192, 243, 249, 273, **3** 23, 58, **4** 28, **5** 131, **6** 33, 65, 121, 271
 (genetic resources) **1** 243
 (peat) **5** 34
 (oil) **2** 273-7
 (water) **1** 43, 136, 139, 200, 219, 255, 278, **2** 24, **3** 26, 99, 208, 305, **4** 166-8, **5** 55-7, 299-301
 Natural selection **5** 126
 Nature Conservancy, Canada **3** 6
 Nature Conservancy, Great Britain **1** 198, 207
 Nature Conservation Society of Japan **1** 89
 Nature monuments **5** 259
 Nature reserve facilities **2** 287-8
 Nature reserve ownership **1** 23
 Nature reserves **1** 130, 136, 160, 172, 191, 206, 207, 225, 308, **2** 106, 121, 176, 304, **3** 39, 149, **4** 24, **5** 259, 282
 Nature trails **1** 28, **2** 261, 288, **3** 183, 290, **5** 269
 Naturschutzparke **5** 259
 Nelson Island **3** 255-6
Nelumbo nucifera **4** 217
Nemorhaedus cranbrookii (Red Goral) **1** 282
Neofelis nebulosa (Clouded Leopard) **3** 133, **6** 23
Neophilaenus campestris **1** 229
N. exclamatoris **1** 229
Neophron percnopterus (Egyptian vulture) **3** 43, **6** 82
Neotragus pygmaeus (Royal Antelope) **1** 131
 Nepal **4** 226, **5** 156
Nepenthes pervillei **2** 174
Nephrosperma vanhoutteanum **2** 173, **5** 316
 Nerve-gas dumping **3** 278
 Nerve poisons **1** 124
Nervilia reniformis **1** 148, 149
Nesillus sechellensis (Seychelles Brush-warbler) **2** 226
Nesolagus netscheri (Short-eared Rabbit) **1** 284
Nestegis apetala **1** 171
 Netherlands **1** 37, 118, 141, 174, 192, 193, 210, 211, 212, 214, **4** 118, 119, 126, 146-8, **5** 1-5
 Neusiedlersee **1** 83, 214
 New Brunswick **1** 125, **3** 233, **5** 105-13
 New Caledonia **1** 159, 170
 New Forest, Hampshire **2** 55, 58, **3** 172, **6** 303-6
 New Guinea **1** 24, 181
 New Hebrides **5** 67-9, **6** 232-4
 New Jersey **6** 70
 New Jersey Wetlands Reserve **3** 245
 New York State **1** 256
 New Zealand **1** 24, 53, 159, 160, 170, 171, 237-40, 255, 313, **3** 208, **5** 308-9
 New Zealand Islands **1** 165
 New Zealand Nature Conservation Council **1** 255
 New Zealand Royal Forest and Bird Protection Society **1** 255
 New Zealand Scenery Preservation Society **1** 255
 New Zealand Wildlife Service **1** 165
 Newfoundland **4** 393-4
 Newt, Common: *Triturus vulgaris*
 Newt, Crested: *T. cristatus*
 Newt, Palmate: *T. helveticus*
 Ngong Hills Forest Relics **1** 132
 Ngorongoro Crater **1** 54
 Ngurdoto Crater National Park **6** 176
 Niagara **1** 256
 Nigeria **1** 129, 148-50, 234, 338, **2** 70, **6** 34
 Nikko National Park, **1** 107
 Nile **1** 26, 133, 220, 221, **4** 19-25, 67
 Nilgai: *Bosephalus tragocamelus*
 Niokolo-Koba National Park **3** 308-9
Nipponia nipon (Japanese Crested Ibis) **1** 36
Nitella **1** 72, 75
Nitellopsis obtusa **1** 72, 73
 Nitrogen **4** 348-50, 380, **5** 110, **6** 61
 Nitrogen fixation **4** 380, **6** 92
 Nitrogen supersaturation **5** 110
Nitzschia delicatissima **3** 281
 Njombeni Hills **1** 132
 Nkwunge Mountain **1** 133
 Noise pollution **6** 159
 NORENO Foundation **3** 305
 Norfolk Four-course system of agriculture **1** 144
 Norfolk Island **1** 160, 165, 170
 North America **1** 125, 126, 130, **3** 58, **6** 106-11
 North Atlantic **1** 127, 323
 North-east Africa **1** 77
 North Frisian Wadden Sea National Park **5** 74-5
 North Sea **1** 53, 252, 323
 Northern Ireland **1** 71, 72, 180, **3** 149
 Norway **1** 183, 216, 248, **2** 35, 71, 115, 117, **3** 150, 285-92, **4** 71, 150, **6** 60
 Norwegian Council for Nature Protection **1** 183
Notechis (Australian Tiger Snake) **4** 40-2
Nothofagus **1** 24
Notornis mantelli (Takahe) **1** 237-40
 Nuclear explosions, effects **2** 5
 Nunivah Island **3** 255-6, 258-60
 Nutrients in grassland **4** 379
 Nutrients in heathland **5** 43
 Nxai Pan National Park **5** 13, 59
 Nyala, Mountain: *Tragelaphus buxtoni*
Nyctea scandiaca (Snowy Owl) **5** 82
Nycticorax nycticorax (Black-crowned Night Heron) **1** 177

- Ocean exploration 4 65
 Ocean resources 1 140, 141, 2 243, 3 7-17, 33, 250
 Oceanic pollution 2 221, 243, 3 10, 164, 272-3, 278, 4 61-5, 98, 106-7, 329, 5 52-3, 297
 Oceanographic research 3 64-5
 Ocelot: *Felis pardalis*
Ochotona principis saxatilis (Pika) 2 100, 6 90
Odobenus rosmarus (Pacific Walrus) 4 385
Odocoileus hemionus 6 113, 280, 282
O. h. cerrosensis (Cedros Island Deer) 5 243
O. h. columbianus (Black-tailed Deer) 6 114
O. virginianus (White-tailed Deer) 4 310, 5 126, 6 69
O. v. gymnotis 1 97
O. v. leucurus 5 247
O. v. macrourus (Mule Deer) 2 57
 Odonata 1 205
 Off-road vehicles 6 179-83
 Off-road vehicles, effects on lizard population 6 181-2
 Ogutun Forest Reserve 1 150
 Oil dispersal detergents 3 251
 Oil-drilling 3 59, 60-1, 123, 249, 4 369-70, 6 158
 Oil pollution 1 291, 319, 2 221, 300-2, 3 11, 164, 4 145, 6 60, 158
 Oil pollution research 1 342, 2 301, 4 12
 Oil seeps, submarine 4 106-7
 Oil-slick dispersal 1 295, 321-2
 Oil spillages 1 291, 321, 2 63, 3 61, 142, 250, 254, 311, 4 146-8, 5 294
 Oiled birds, clean-up 1 322-5, 2 301, 5 292-4
 Oils as larvicides 3 117
 Olambwe Valley Game Reserve 4 148-50
Olea laperrini 4 103
 Oleander Hawk Moth: *Deilephila nerii*
 Olokemeji Forest Reserve 1 234
Olor buccinator (Trumpeter Swan) 2 178, 253-6
 Olympic National Park 3 288, 5 25-32, 6 84
 Oman 1 287
 Ontario 1 258
 Open cast mining 5 277-80
 Operation Ranch Hand 4 322
Ophrys apifera 1 41
O. fuciflora 2 37
O. sphegodes 2 37
 Opossum 1 161-3, 255, 315
Opuntia galapageia 4 9, 10
 Orang Utan: *Pongo pygmaeus*
 Orchids 1 192, 3 47-50, 156
Orchis militaris 2 37
O. purpurea 2 37
O. simia 1 275, 2 37
 Order of the Golden Ark 3 246
Oreophasis derbianus (Horned Guan) 5 60-2
Oreotragus oreotragus (Klipspringer) 3 67
Oreoxis alpina 2 261, 3 186
 Organochlorine pesticides 1 206, 3 117, 5 22
 Organomercurial fungicides 3 280
 Organophosphates 1 128, 206, 2 232, 3 117, 6 62
 Oribi: *Ourebia ourebi*
 Orkneys 1 71
 Ornamental Pheasant Trust 1 184, 185
Orothamnus zeyheri 2 186
Orycteropus afer (Aardvark) 5 255
Oryctolagus cuniculus (Rabbit) 1 39, 40, 51, 146, 161-4, 171, 203, 226, 255, 2 41
Oryx algazel 1 78, 277
O. gazella beisa 2 297
O. leucoryx (Arabian Oryx) 1 14, 129, 197, 277, 2 48, 3 246, 4 102
O. tao (Scimitar-horned Oryx) 1 289
Oscinella frit (Frit Fly) 1 227
Osmerus eperlanus (Smelt) 1 252, 2 26
 Osprey: *Pandion haliaetus*
 Osterley Park 1 166
Ostrea edulis (European Flat Oyster) 4 70
 Ostrich 1 276
Otis tarda (Great Bustard) 1 216, 4 102
 Otter 1 277
 Otter: *Lutra canadensis*
 Otter: *L. lutra*
 Otter, Giant: *Pteronura brasiliensis*
 Otter, La Plata: *L. platensis*
Ourebia ourebi (Oribi) 3 67, 5 254
 Over-collecting 2 281, 5 55-7, 135, 6 36
 Over-exploitation 2 35, 3 10, 202, 205, 4 63, 100, 162, 261, 275, 301, 5 114, 248, 6 32, 71
 Over-fishing 6 56
 Overgrazing 1 218, 227, 277, 333, 2 187, 3 66, 93, 98, 103, 175-7, 200, 289, 4 31, 5 42, 96, 192, 6 171, 226, 277
 Overpopulation effects 1 254, 4 63
 Overstocking 5 123-32, 6 94
 Overwintering of invertebrates 1 229
Ovibus moschatus (Muskox) 3 230, 255-63
Ovis ammon (Urial) 1 254
O. canadensis (Bighorn sheep) 1 254, 5 191-5, 6 99
O. c. cremonobates (Peninsular Bighorn) 1 286
 Owens Valley, California 3 24
 Owl, Cape Barn: *Tyto alba affinis*
 Owl, European Eagle: *Bubo bubo*
 Owl, Pygmy: *Glauclitium passerinum*
 Owl, Snowy: *Nyctea scandiaca*
 Owl, Ural: *Strix uralensis*
Oxycoccus palustris 2 204
 Oxygen depletion 4 33, 259, 345, 5 108
Oxystigma msoo 1 132
Oxytropis podocarpa 2 203
Oxyura leucocephala (White-headed Duck) 1 215, 4 102
 Oyster, 1 127
 Oyster, European Flat: *Ostrea edulis*
 Oyster-shell Scale: *Lepidosaphes newsteadi*

- Ozard National Scenic Riverways **2** 63
 Ozone sensitivity in plants **5** 209–14
Ozotocerus bezoarticus (Pampas Deer) **1** 281, **5** 225, 247

 P-coumaric acid **1** 235
 Paca: *Cuniculus paca*
 Pacific **1** 35, 127, 159, 170, 198, 277, **2** 13, **4** 189–93, **5** 67–9, **5** 195, **6** 57, 263–73
 Pacific Crest Trail **2** 76
 Padjelanta National Park **1** 236
Pagophilus groenlandicus (Harp Seal) **2** 34–5, 265, **4** 176
 Pakistan **1** 287, **2** 24, **5** 119–22
 Palaman National Park **6** 49
 Palamu Tiger Reserve **4** 390–1
 Palatability of *Agrostis setacea* **6** 305
 Palatability of plant species for Blackbuck **5** 120–1
 Palatability of plant species and effect on grazing **6** 276, 279
Palisota mannii **1** 150
Paliurus **1** 254
 Pampa Galeras National Reserve **3** 308
 Pan-Pacific Science Congress **1** 159
Pan troglodytes (Chimpanzee) **1** 131, **5** 254
 Panama **6** 102–5
 Panama Canal **3** 33, **4** 7
 Panda, Giant: *Ailuropoda melanoleuca*
Pandanus **1** 64
P. sechellarum **5** 316
Pandion haliaetus (Osprey) **1** 126, **4** 118, **6** 10
Panicum **1** 73, 78
Panthera leo (Lion) **1** 158, **2** 297, **4** 201, **3** 148, **5** 126, 254
P. l. persica (Asiatic Lion) **6** 225–7
P. once (Jaguar) **1** 97, **3** 293, 294, 296
P. pardus (Leopard) **1** 285, 289, **2** 297, **3** 133, 148, **4** 215, **5** 254
P. p. panthera (Barbary Leopard) **1** 286
P. p. tulliana (Anatolian Leopard) **1** 289
P. tigris (Tiger) **3** 133, **4** 215, 226, **5** 137
P. t. altaica **6** 48
P. t. amoyensis **6** 48
P. t. balica **6** 48
P. t. corbetti **6** 48
P. t. sondaica **6** 48
P. t. sumatrae **1** 284
P. t. tigris **4** 226, 390–1, **6** 48
P. t. virgata **6** 48
P. uncia (Snow Leopard) **1** 290, **3** 133
Papilio demodocus **3** 196
P. demoleus **3** 196
Papio anubis (Anubi's Baboon) **5** 254
P. ursinus (Baboon) **2** 193
 Papua and New Guinea **1** 181, **2** 50, **3** 149, 234, **5** 90
 Paraguay **1** 95
 Parakeet, Carolina **1** 197
 Parasitic plants **4** 217
 Parasitoid insects **1** 226, 228
 Parathion **3** 118
Paraxerus palliatus tanae (Tana River Squirrel) **1** 286
 Paris Green **1** 175, **3** 117
 Parrot, Puerto Rican: *Amazona vittata*
 Parrot, Red-necked: *A. arausiaca*
 Parrot, St. Vincent's: *A. guildingii*
 Partridge: *Perdix perdix*
 Partridge, Black: *Francolinus francolinus*
 Partridge, Grey **6** 213–5
 Pastoralism **3** 93–100, 176, **4** 102, **5** 9, 130
 Patas: *Erythrobecus patas*
Patelloidea alticostata **6** 194–5
 Pathogens in mosquito control **3** 116
 Peace-Corps Environmental Program **4** 18, **6** 58–9
 Peak District National Park **1** 208, 236, **3** 211–5, **4** 114
 Peat resources **5** 34
 Peatlands **2** 122, 198, **4** 45, 165, **5** 33–9, 41–4
 Peccary: *Tayassu tajacu*
Pedioecetes phasianellus (Sharp-tailed Grouse) **2** 134
Pelecanus crispus (Dalmatian Pelican) **1** 214
P. onocrotalus (White Pelican) **1** 214, **3** 44, 67
 Penal settlements **1** 170
 Penguin, Jackass: *Spheniscus demersus*
 Penguins **1** 162
 Pennines **4** 135–40
Peperonia fernandopoiana **1** 150
Peponocephala electra **6** 232–4
Perca fluviatilis (Perch) **6** 11
Perdix perdix (Partridge) **1** 51, 146
 Permafrost **3** 142, 229
Perodicticus potto ibeanus (Potto) **1** 131
Peromyscus leucopus (White-footed Mouse) **5** 151
 Persian Gulf **1** 129
 Peru **1** 217, **3** 308
 Pest control **1** 161–5, 201, 255, 339, **4** 395, **5** 86, 93, 6 62
 Pesticides **1** 201–7, **2** 88, **3** 221, **4** 67, **5** 16, 110, 182
 Pests **1** 161–4, 314
Petasites glacialis **2** 199
 Peter Scott Wildlife Endowment Fund **2** 244
 Petrel, Bermuda: *Pterodroma cahow*
 Petrel, Providence: *P. solanderi*
 Petrel, Pycroft's: *P. longirostris pycrofti*
 Petrels **1** 161–4
Petrogale lateralis (Rock Wallaby) **3** 125
 pH **1** 152, **4** 49
Phacochoerus aethiopicus (Warthog) **2** 33, **5** 253
Phalacrocorax africanus (Crowned Cormorant) **3** 269, 271
P. auritus (Double-breasted Cormorant) **4** 310
P. capensis (Cape Cormorant) **3** 269, 270

- P. carbo lucidus* (White-breasted Cormorant) 3 269, 271
P. neglectus (Bank Cormorant) 3 269, 271
P. pygmaeus (Pygmy Cormorant) 1 214
Pharomacrus mocinno (Quetzal) 1 297, 5 60–2, 6 64–5, 102
Phasianus colchicus (Pheasant) 1 51, 146
 Pheasant, Mikado: *Syrnaticus mikado*
 Pheasant, Swinhoe's: *Lophura swinhoiei*
 Phenolic variation 1 235
 Phenyl-mercury fungicides 4 331
Philesturnus carunculatus rufusater (North Island Saddleback) 1 315
 Philippines 1 287, 317, 5 89
 Phillip Island 1 170
Philohela minor (American Woodcock) 1 126, 3 233
Philoscia muscorum 1 229
Phoca hispida (Ringed Seal) 5 285
P. vitulina (Common Seal) 2 179–83, 5 185–90
Phoenicopterus ruber (Flamingo) 1 214, 2 225
 Phoenix Zoo, Arizona 1 14
 Phosphorus 4 348–50, 5 17–18, 41, 95
 Photoperiod, effect on plants 4 53
 Photosynthesis 1 127, 2 85–9, 198, 2 278, 3 281, 4 186, 329
 Photosynthetic energy fixation 4 329–34
Phragmites 1 222, 3 115
Phryganea grandis 1 74
Phyllitis scolopendrium var. *americana* 1 256
Phyllostachys bambusoides 2 227
P. nigra var. *henonis* 2 227
P. pubescens 2 227
Physeter catodon (Sperm Whale) 4 343
Phyteuma tenerum 2 37
Phytolacca deandra 2 186
 Phytophagous invertebrates 1 227
 Pichiciego, Greater: *Burmeisteria retusa*
 Pichiciego, Lesser: *Chlamyphorus truncatus*
 Picnic sites 1 211
Picoides tridactylus (Three-toed Woodpecker) 3 314
 Pigeon, Ground 1 182
 Pigeon, Marquesan: *Ducula galeata*
 Pigeon, Passenger 1 197
 Pigeons 1 126, 206
 Pigs 1 161–4, 170, 171, 255, 315, 2 227, 6 64, 80, 122, 199, 268
 Pika: *Ochotona principis saxatilis*
 Pike: *Esox lucius*
 Pilliga Nature Reserve 1 331
 Pineto-Vaccinietum myrtilli 1 152
Pinguinus impennis (Great Auk) 1 213
 Pinta, Galápagos 4 8–12
Pinus aristata 3 274–8
P. flexilis 3 275
P. halepensis 6 80
P. sylvestris 4 361–8
 Pioneer colonisation 6 259
 Pioneer communities 6 92
 Pioneer vegetation 5 310
Psidium 1 73, 3 266
Pistia stratiotes 1 221, 222, 2 193, 4 67
 Pitcairn Island 1 171
 Plagioclimax communities 4 378
Plagiodontia aedium (Cuvier's Hutia) 1 282
P. hylaeum (Dominican Hutia) 1 282
 Planarians 3 266
 Planktonic organisms 3 34, 4 329
 Plant breeding 2 185, 6 15, 28
 Plant collections 2 164–5, 4 46, 359, 6 16
 Plant community succession 1 118, 4 378–84
 Plant cultivation 6 28
 Plant diseases 4 297, 5 230–1, 6 28
 Plant longevity 4 51
 Plant protection 2 218, 4 214–9, 296, 355–60, 5 206, 6 30
 Plant succession 6 40, 45, 92
Plantago lanceolata 1 41
P. maritima 1 293
 Planted woodland 3 170, 4 58, 164
Platalea leucorodia (Spoonbill) 1 214
Platichthys flesus (Flounder) 2 26
 Plain (flatland) 1 63–5
Platycelyphium 1 85
Plautus alle (Little Auk) 1 216
Plectrelminthus caudatus 1 150, 3 49
Plectrophenax nivalis (Snow Bunting) 3 230
Plegadis falcinellus (Glossy Ibis) 1 214
 Pleistocene invertebrates 1 16
 Ploughing up of land 1 41, 225
 Plover, White-headed: *Lobivanellus albiceps*
Poa fendleriana 3 184, 6 89, 92
P. nascopeiana (Nascopie) 2 199
 Poaching, birds 1 176, 177, 186, 247, 2 307, 6 255
 Poaching, deer 1 253
 Poaching, fish 1 259
 Poaching laws 1 277
 Poaching in National Parks 1 158
 Poaching, orang utan 6 20
 Poaching, rare mammals 2 298, 307, 4 103, 6 33, 49
 Poaching, rhinoceros 2 69, 5 59, 6 228–30
 Poaching, tortoises 6 125–7, 200
 Poaching, turtles 2 216
 Pochard: *Aythya ferina*
Podangis dactyloceras 1 150, 3 49
Podiceps cristatus (Great-crested Grebe) 4 374–5, 6 10
Podilymbus gigas (Giant Pied-billed Grebe) 1 176, 247, 2 143, 5 62–3
Podocarpus usambarensis var. *dawei* 1 132
Podocnemis expansa (River Turtle) 1 80, 97
Podogymnura truei (Mindanao gymnure) 1 287

- Poeciliidae 6 298
 Poisson distribution 6 244
 Poland 1 37, 45–7, 151–5, 192, 194, 200, 307–11, 4 43–7, 5 34
 Polar Bear Provincial Park 2 147
 Polders 5 3
 Polecat: *Mustela putornis*
 Polish League for the Conservation of Nature 1 47, 307–11
 Pollen analysis 2 11
 Pollution control 1 34, 35, 137, 139, 252, 4 28, 64, 143, 345–54
 Pollution and invertebrates 3 264–8
 Pollution from pulp mills 5 111
 Polychlorinated biphenyls 4 330, 374–6, 5 57, 6 160
Polygala serpyllifolia 2 203
P. vulgaris 1 41
Polygonum aviculare 1 71, 72
P. lapathifolium 1 71, 72
P. nodosum 1 71, 72
 Polynesia 5 231–2
 Polyphenols 1 154
Polypodium vulgare 2 201
Polystichum lonchitis 1 256
Pomarea nigra (Tahiti Flycatcher) 5 231
Pomatoschistus minutus (Sand Goby) 2 29, 30
Pongo pygmaeus (Orang-Utan) 1 14, 24, 62, 114, 192, 277, 284, 339, 3 45, 6 20–5
 Population control 1 274, 3 54, 72, 215, 243, 268, 5 134
 Population crashes 1 254, 2 135, 3 255, 258, 260, 5 11, 123
 Population decline, birds 2 71, 266, 271, 3 144, 4 145, 276–7, 376, 5 181–4, 6 213–5
 Population decline, deer 2 248
 Population decline, dugongs 3 299, 4 207
 Population decline, fish 5 108–9
 Population decline, game animals 2 19
 Population decline, reptiles 5 20–3, 115
 Population decline, rhinoceros 6 228–30
 Population decline, seals 2 35, 180, 5 188
 Population decline, wolves 6 95
 Population density 3 173, 4 208, 275, 6 22
 Population explosion, *Acanthaster planci* 2 96, 247, 5 87–95
 Population explosion in aquatic ecosystems 1 127, 3 281, 6 73
 Population explosion, lemmings 3 142
 Population fluctuation 2 135, 3 213, 234, 5 126, 275, 6 109
 Population marking 2 15, 217, 267, 282, 3 193, 4 339, 5 225, 270–2, 6 286, 307
 Population pressure 1 167, 168, 3 98, 6 29
 Population size 3 130–1
Populus niger 5 232–3
 Porcupine, Thin-spined: *Chaetomys subspinosus*
 Poroto Mountain, Tanzania 1 133
Porphyrio porphyrio (Purple Gallinule) 1 216
 Port Launay National Park 5 154
 Portugal 1 216, 3 224
 Possum, Brush-tailed: *Trichosurus vulpecula*
Potamochoerus porcus (Red River Hog) 5 253
Potamogeton crispus 1 71, 72
P. natans 1 72, 2 201
P. octandrus 2 95
P. pectinatus 1 72–5
P. praelongus 2 201
 Potassium nitrate 4 350
 Potential natural vegetation 1 58
Potentilla multifida 2 203
P. sericea 2 203
Potorus platypus (Potoro) 5 298
 Potto: *Perodicticus potto ibeanus*
 Prairies 2 333
 Pratincole: *Glareola pratincola*
Precis oenone 3 194, 195
 Predation by birds 5 272, 6 269
 Predation by domesticated animals 2 46, 3 53, 6 268
 Predation, effects on species diversity 4 173
 Predation by fish 4 169–75, 6 297
 Predation by foxes 6 222
 Predation selectivity 5 272
 Predator control 6 97–8, 268
 Predator–prey relationships 1 202, 2 250, 267, 268, 3 116, 119, 267, 289, 5 272, 6 98, 115, 164, 314
 Predatory insects 3 221
Presbytis aygula thomasi (Leaf-Monkey) 6 22
 Pribilof Islands 5 152–3
 Primary production 3 9, 230, 4 185, 329
 Primary woodland 6 239–45
 Primitive cultivar conservation 2 164
Primula veris 1 41
P. vulgaris 1 205
 Project AQUA 1 192, 248
 Project MAR 1 15, 60, 180, 192, 336, 3 217
 Project TELMA 1 192, 5 33–9
 Pronghorn: *Antilocarpa americana*
 Propagation studies 1 153, 254
 Protected landscapes 5 259
 Protected Region of Khoshyelagh 1 254
 Protected Regions 3 37–45
 Protection from radioactive contamination 2 8
 Protective camouflage 1 299
 Protein deficiency 3 175, 6 32
Prunella modularis (Dunnock) 1 146
 Przewalski's Horse: *Equus przewalskii*
Pseudopontia paradoxa 4 73
 Ptarmigan: *Lagopus mutus*
 Ptarmigan, White-tailed: *L. leucurus*
Pteridium aquilinum 2 287, 6 305
Pterodroma cahow (Bermuda Petrel) 1 127

- P. griseus* (Muttonbird) 1 314
P. longirostris pycrofti (Pycroft's Petrel) 1 315
P. macroptera gouldi (Muttonbird) 1 314
P. solanderi (Providence Petrel) 6 268
Pteronura brasiliensis (Giant Otter) 1 62, 3 294, 296
 Public access and bird numbers 3 213-4
 Public awareness of environmental problems 1 27
 Public Standard of Living 4 29
Puccinellia groenlandica 2 199
P. laurentiana 2 202
P. maritima 1 291-6
P. palibinii 2 199
P. persildii 2 199
P. svalbardensis 2 200
Pudu mephistopheles (Dwarf Pudu) 2 141
P. pudu (Chilean Pudu) 1 282
Pueraria phaseoloides (Tropical Kudzu) 1 218
 Puffin: *Fratercula arctica*
Puffinus carneipes (Flesh-footed Shearwater) 1 314
P. puffinus (Manx Shearwater) 4 118
 Puget Sound 4 31-8
 Pugu Hills 1 133
Pulsatilla vulgaris 1 37-43, 226, 327-8, 2 37
 Punta Albarete Reserve 1 84
Purshia tridentata (Bitter-Brush) 3 26
 Puzta 1 83
 Pyatunturi National Park 2 122
 Pyrenees 1 215
 Pyrethrum 3 117
- Quail, Japanese: *Coturnix coturnix japonica*
 Quarrying 1 172, 257
 Queen Charlotte Islands 1 250-1
 Queen Elizabeth National Park 1 107, 3 284, 312, 6 35
 Queensland 1 25, 4 205-13
 Queixada: *Tayassu pecari*
Quercus 1 50, 168, 254
Q. ilex 6 80
Q. petraea 2 287
 Questionnaires 2 286
 Quetzal: *Pharomacrus mocinno*
 Quetzal Cloud Forest Reserve 5 60-2
 Quicama National Park 5 58
- Rabbit: *Oryctolagus cuniculus*
 Rabbit grazing 3 201, 202, 203, 4 379
 Rabbit, Short-eared: *Nesolagus netscheri*
 Radial growth in trees 4 365-7
 Radiation damage 4 178
 Radiation dose 4 178-84
 Radiation effects 2 2-9
 Radiation exposure 4 181
 Radiation measurements 2 3
- Radiation, natural background 2 4, 4 180
 Radical conservation movement 4 286
 Radioactive contamination 4 177
 Radioactive effluent in water 2 7
 Radioactive fallout 1 18, 35, 4 179, 182
 Radioactive fallout from industrial accidents 2 6
 Radioactive pollution control 4 180-83
 Radioactive substances in the environment 2 2-9, 4 177-84
 Radioactivity transfer 4 179
 Radionuclides 4 178
Rafflesia arnoldii 5 164
 Rail, Flightless: *Dryolimnas cuvieri*
 Rail, Water: *Rallus aquaticus*
 Railways 1 153, 2 311, 3 104
 Rain forests 1 217
Rallus aquaticus (Water Rail) 6 82
Rana temporaria (Common Frog) 5 20-4
Randia lancifolia 5 315
R. sericea 2 174
Rangaeris trilobata 1 148, 149
 Range capacity 3 25, 6 94
 Range economics 6 278
 Range improvement 6 275-84
 Range management 3 99, 5 192, 6 275-84
 Range productivity 1 34, 3 98, 6 275-6
 Range resources 3 24, 5 192
 Range seeding with exotics 6 278
 Range vegetation 1 255, 6 275
Rangifer tarandus (Barren-ground Caribou) 1 86, 2 278
Ranunculus ficaria 1 73
R. ophioglossifolius 4 48-56
R. spitsbergensis 2 200
Raphicerus campestris (Steenbok) 2 20
 Rare species 1 24, 203, 6 162-9
 Rat, Big-eared Kangaroo: *Dipodomys elephantinus*
 Rat, Brown 1 134
 Rat, Giant: *Cricetomys gambianus*
 Rat, Ryukyu Spring: *Tokudaia osimensis muenninki*
 Rathambore Wildlife Sanctuary 6 50
 Rats 1 161-4, 315, 2 227, 3 123, 6 122, 124-5, 268
 Rau Forest 1 132
 Raven: *Corvus corax*
 Razorbill: *Alca torda*
 Rearing in captivity 1 177, 181, 197, 224, 239, 277, 297, 2 16, 47-9, 135, 255, 269, 3 46, 4 41-2, 101, 5 23, 42, 249, 6 64, 113, 132, 199-211
 Reclamation of derelict land 1 273, 4 383, 5 193, 277-80
 Recovery of vegetation after trampling 3 183-9
 Recreational use 1 122, 167, 211, 2 97-103, 123, 194, 224, 257-65, 285-91, 3 12, 18-20, 25, 27, 67, 109, 182, 199-207, 208, 276, 285, 289, 4 100, 109, 114, 270, 5 1-5, 25-32, 136, 259, 265-70, 287, 6 10, 13, 57, 104, 179, 246-51

- Recurvirostra avosetta* (Avocet) 4 118, 119
 Recycling of nutrients 4 381
 Recycling of wastes 2 276
 Recycling of water 1 140
 Red Data Book 1 14, 21, 116, 129, 165, 196, 197, 213, 276, 280, 2 49, 139, 185–8, 255, 292, 3 147, 150, 294, 4 89, 5 165, 243, 6 48, 229
 Red Rock Lakes National Wildlife Refuge 2 254
 Red Sea 2 246–51
Redunca fulvorufula (Mountain Reedbuck) 3 67, 148
R. redunca (Reedbuck) 5 253
 Redwing: *Turdus iliacus*
 Re-establishment of ecosystems 2 197
 Re-establishment of species 2 30, 48, 6 13
 Rehabilitation of wild animals 6 20, 24
 Reindeer 1 183, 2 123, 3 258, 289, 4 72, 98–99
 Reintroduction of species 1 166, 277, 2 256, 297, 3 152, 289, 314, 4 59, 226–7, 5 23, 59, 119, 6 314
 Release of aquarium fish 6 292–302
 Release of reared animals 1 178, 185, 2 136, 6 208–10, 307
 Relict plant communities 2 172, 4 357
 Relocation of wild animals 2 17, 227, 254, 3 24, 6 255
 Removal of nutrients by management 4 379
 Reproduction in bears 4 266
 Reproduction in birds 2 269, 3 90, 212–3, 4 373–7, 5 42, 6 64–5, 109, 138–9, 189, 252–7
 Reproduction in deer 2 58, 6 113
 Reproduction in dugongs 4 208–11
 Reproduction in grey seals 6 284–91
 Reproduction in tortoises 6 129–31, 200–11
 Reproduction in turtles 2 282–4
 Reptile census 6 118, 179
 Research Institute for Nature Management, Netherlands 2 229
 Re-seeding 5 193, 6 248, 277
 Reservoirs 1 167, 220, 3 306, 4 110–1, 166–8, 185, 392, 6 11, 12, 135
 Resistance to burning 1 153
 Resistance to plant disease 6 28
 Resistance to radioactivity 4 356
 Resistance to toxic chemicals 3 117, 4 276, 330
 Resistant populations 3 282, 4 356
 Resource management 1 15–19, 23, 25, 130, 2 65, 4 244
 Restoration of damaged areas 5 278, 6 251
 Restoration of natural resources 1 122
 Re-use of steel from vehicles 5 197–8
 Reuss Valley, Switzerland 2 73–4
Rhacomitrium lanuginosum 6 245–51
Rhamnus alpinus 4 267
 Rhine 1 140, 2 35
 Rhinoceros 1 14, 25
 Rhinoceros, Asian 1 113
 Rhinoceros, Black: *Diceros bicornis*
 Rhinoceros, Great Indian: *R. unicornis*
 Rhinoceros, Javan: *Rhinoceros sondaicus*
 Rhinoceros, Northern Square-lipped: *Ceratotherium simum cottoni*
Rhinoceros sondaicus (Javan Rhinoceros) 1 197, 2 48, 68–70, 308, 3 246, 4 308–9, 5 137
 Rhinoceros, Southern square-lipped 1 196
 Rhinoceros, Sumatran: *Dicerorhinus sumatrensis*
Rhinoceros unicornis (Great Indian Rhinoceros) 1 283
 Rhinoceros, White 2 17, 63, 3 152
 Rhodesia 1 129, 2 18–23, 189, 4 169–75, 226–7, 6 35
Rhynchops flavirostris (African Skimmer) 2 192
Rhyncotragus guentheri (Dik-dik) 3 148
 Richmond Park 1 167, 2 58
 Rikabo Forest Reserve 1 150
 Ring Ouzel: *Turdus torquatus*
Rissa tridactyla (Kittiwake) 4 310
 River degradation 4 166–8
 River terraces 4 20
 Roach: *Rutilus rutilus*
 Road construction, effect on wildlife 5 25–32, 45–7, 6 84–93
 Road-kills of wildlife 1 253, 255–7, 4 271, 6 98, 100
 Robin: *Erithacus rubecula*
 Robin, American: *Turdus migratorius*
 Robin, Magpie: *Copsychus sechellarum*
 Rockefeller Redwood Forest 1 17
 Rocky Mountains, Canada 5 191–5, 6 94–101
 Rocky Mountains Forest Reserve 1 311
 Rocky Mountains National Park 1 107, 2 97–103, 257–65, 3 181–90, 275, 286, 6 84–93
 Rookery Bay Area Project, Florida 2 64–5
 Root-feeding animals 1 227
 Root orientation 5 175
Roscheria melanochaetes 2 173
 Rotational burning 6 306
 Rotational systems of agriculture 1 144, 147, 226, 230
 Rotenone 6 11
 Rough grazing 1 142, 5 100, 6 80
 Roumania 1 214–5
 Royal Botanic Gardens, Kew 1 166, 171
 Royal Society, London 1 24, 64, 65–8
 Ruaha National Park 1 156, 157
 Ruanda 1 133
 Rubbish by airfields 5 81
 Rubbish and litter 2 262, 3 53, 167, 202
Rumex confertus 4 44
Rupicapra rupicapra ornata 4 264
Ruppia maritima 1 74
 Russia 1 15, 30, 46, 192, 200, 213, 214–6, 272, 277, 290, 320, 2 35, 115, 117, 218–20, 3 246–7, 4 29–30, 99, 230–1, 305, 5 34, 144, 6 52
Rutilus rutilus (Roach) 2 27, 6 11
Ruwenzornis johnstoni (Ruwenzori) 1 133
 Rwanda National Park 1 107
 Ryukyu Islands 1 288

- Sabiura Marine Parks Research Station 5 65–6
 Saddleback, North Island: *Philesturnus carunculatus rufusater*
 Sage grouse: *Centrocercus urophasianus*
 Sagebrush: *Artemisia tridentata*
 Sagebrush control 6 274–84
 Sagebrush control, effect on wildlife 6 280–2
 Sagebrush and snow accumulation 6 280
 Sahara 1 77, 2 10–12, 4 103
 Saiga Antelope 1 277
Saimiri sciurens (Squirrel Monkey) 2 306
 Saint Helena 2 186
 Saint Kilda Wren 1 213
 Sainte Anne Marie National Park 4 304, 5 154
 Saki, White-nosed: *Chiropotes albinasus*
 Salamanpera Nature Park 2 122
Salicornia sp. 1 73, 293
 Salinity of river water 6 158
Salix vestita 2 202
Salmo gairdneri (Rainbow Trout) 2 131, 307, 6 11
S. salar (Salmon) 1 34, 125, 140, 252, 2 26, 129, 5 105–13
S. trutta (Sea Trout) 2 27, 52, 129, 4 307, 6 10
 Salmon, Coho 1 127
 Saltmarsh 1 175, 3 115
 Saltmarshes, effects of oil spillages 1 291–6
Salvelinus fontinalis (Brook Char) 6 11
Salvia pratensis 2 37
Salvinia auriculata 1 219, 221, 222, 2 193
 Salzburg Zoological Garden 1 172
 Sambar: *Cervus unicolor*
 Samoan Islands 1 165
 Sampling techniques 3 192–3, 264, 4 169, 5 270–5
 Sand-dunes 3 199, 4 380, 6 80
 Sandplover, White-fronted: *Charadrius alexandrinus*
 Sandwood Bay, Sutherland 3 202–3
 Santa Barbara oil spill 2 89, 3 61, 250, 251, 4 106, 6 158
Sapium triloculare 1 133
 Sardinia 1 215, 216
 Sarek National Park 1 236
Sargassum monticum 6 57–9
 Saudi Arabia 1 129, 288
 Savanna 1 133, 134, 234, 3 19, 94, 146, 193, 231, 4 300, 5 96, 252
 Savura Creek Forest Reserve 1 160
Saxifraga flagellaris 3 188
S. nathorstii 2 200
Scabiosa columbaria 1 41
 Scale insect infestations 3 220–2
 Scheldt, River 4 316, 6 216
 Schistosomiasis 1 221
 Scientific criteria for environmental quality 3 65–6
Scilla hyacinthina 4 217
 Scilly Isles 6 285–91
Scirpus spp. 1 73, 75
 Scolt Head Island 4 67–8
 Scoter, Common: *Melanitta nigra*
 Scotland 1 49, 71, 174, 2 266, 4 135, 6 222–4, 246–51
 Scottish Highlands 1 15
 Scrub 1 39, 171, 226, 2 37, 3 4, 4 380, 6 306
 Scrub, mechanical clearance 5 101, 6 276
 Sea-bass, Giant 1 53
 Sea-bird diet and fishing industry 3 269
 Seagrass communities 6 144
 Sea Lion: *Eumetopias jubata*
 Sea-lion, California 2 89
 Seal, Bearded 1 14
 Seal, Caribbean Monk: *Monachus tropicalus*
 Seal, Common: *Phoca vitulina*
 Seal, Elephant 2 89
 Seal, Grey: *Halichoerus grypus*
 Seal, Mediterranean Monk: *Monachus monachus*
 Seal, Ringed: *Phoca hispida*
 Sealing industry 2 181, 5 152–3, 185–90
 Seasonal changes in diversity 3 194–5
 Seasonal patterns of nature reserve use 2 290
 Seasonal variation in recreational use 5 266–8
 Seaweed distribution 3 143, 6 57–9
 Secondary succession 3 188
 Secondary woodlands 6 239–45
 Sedimentary rocks 2 86
Sedum acre 2 203
S. lanceolatum 3 184
 Seed-banks 6 15–19
 Seed-collecting 6 30
 Seed-dispersal 2 193
 Seed encapsulation technique 4 359–60
 Seed germination 1 153, 169, 222, 2 42, 188, 3 188, 287, 4 51–2, 360, 5 310, 6 16
 ‘Seed orchard’ 2 12
 Seed sowing techniques 1 254
 Seed storage 2 165, 4 356, 6 15–19
 Sehlabathelse National Park 3 69
Selaginella rupestris 2 201
 Selection of nature reserves 1 55, 114, 131, 235, 273, 3 130, 4 298
 Selective herbicides 5 295
 Selective logging system 4 164
 Selective mechanisms 6 163
Selenarctos thibetanus gedrosianus (Baluchistan Bear) 1 287
Selysiothermis nigra 3 226
 Semian Mountains 2 295, 297
 Semi-natural amenity areas 3 199
 Semi-natural communities 1 56, 2 38, 123, 3 170, 4 44, 6 80
 Semi-natural cultivation 1 151–5
 Semliki, Uganda 1 133
 Senegal 1 149, 234
 Sepilok Forest Reserve 1 339

- Sequoia National Park **3** 287
Sequoia sempervirens (Redwood) **1** 17, 22, 24, 114, 276
Sequoiadendron giganteum (Giant Redwood) **3** 287, 288
 Seral eutrophication **4** 378–84
 Serengeti National Park **1** 107, 114, 156, 157
 Serengeti Research Station **1** 157
 Serow, Formosa: *Capricornis crispus swinhoei*
 Serval: *Felis serval*
 Serval, Barbary: *F. s. constantina*
Seseli libanotis **2** 37
 Sewage pollution **1** 21, 127, **2** 25, **3** 58, 237, 267, **6** 73
 Sewage treatment **2** 25, **4** 38, 347
 Seychelles **1** 68, 93, **2** 171–7, 225, **4** 227–8, 304, 311–2, 5 153–5, 236, 314–6, **6** 71–3, 178, 218–9
 Seychelles Brush-Warbler: *Nesillus sechellensis*
 Shad: *Alosa fallax*
 Shannon–Wiener index **4** 86
 Sharks **1** 260, **4** 206
 Shearwater, Flesh-footed: *Puffinus carneipes*
 Shearwater, Manx: *P. puffinus*
 Sheep grazing **1** 38, 40, 120, 217, 226, **2** 38, 209, 271, 3 1–5, 103, 201, **4** 113, 135, 381, **5** 41, 191–4, **6** 179–83, 276, 279, 303
 Sheep as pests **1** 163
 Shelterbelts **1** 117, 119, 147
 Shetland **2** 179–83, **5** 185–90
 Shifting cultivation **1** 16, 148, **2** 187, **3** 175, **4** 164, **5** 135, 167, **6** 20, 22, 171
 Shikotsu-Toya National Park **5** 284
 Shingle vegetation **1** 59
 Shiretoko National Park **5** 285
 Shirpuri National Park **4** 214–9
 Shooting to control pests **4** 121
 Shooting, duck **4** 67
 Shooting, grouse **5** 41
 Shooting laws and permits **1** 180, **3** 218, **5** 235, **6** 255
 Siamang: *Hylobates syndactylus*
 Sicily **1** 215, 216
Sicista betulina **3** 314
 Siebengebirge Nature Reserve **4** 134
 Sierra Leone **1** 149, **3** 191–8
Silene acaulis **2** 259, **3** 184
Siliqua costata (Razor Clam) **6** 76
Simenia simensis (Simien Fox) **1** 283, 332, **2** 297
Simias concolor (Pig-tailed Langur) **1** 284
 Simlipal Nature Reserve **6** 49
 Simpson Desert National Park **1** 331
Simulium **3** 113
S. damnosum **2** 95
Siphonaria diemenensis **6** 194
Sisyrinchium groenlandicum **2** 199
 Sitatunga: *Tragelaphus spekei*
 Skaftafell National Park **1** 178, **3** 245
 Ski lift damage to vegetation **6** 245–51
 Skimmer, African: *Rhynchops flavirostris*
 Skin-diving **1** 259
 Skokholm Island **4** 118
 Skunk: *Mabuya wrightii*
 Skylark: *Alauda arvensis*
 Smelt: *Osmerus eperlanus*
 Smithsonian Institution **1** 24, 64, 65, 67, 247, **4** 18, **6** 58–9, 308–11
 Snake, Australian Tiger: *Notechis*
 Snake, Smooth: *Coronella austriaca*
 Snipe: *Capella gallinago*
 Snow-bed associations **2** 260
 Snow-cock, Caspian: *Tetraogallus caspinus*
 Snow Goose: *Chen hyperborea*
 Snow and ice, biotic effects **2** 100, 102, 122, 135, 258, 277, **3** 103, 142, 186, 306, **4** 52–4, **6** 248
 Snowmobiles **3** 58, 259, 277
 Social aspects of conservation **1** 115
 Society Islands **1** 159, **5** 231–2
 Socotra Island **1** 133
 Soil conservation **1** 95, 139, **2** 107
 Soil Conservation Service **1** 121
 Soil erosion **1** 136, 138, 170, 218, 255, 277, **2** 39, 172, 175, 187, 259, **3** 93, 145–6, 182, 202, 204, 290, **4** 19, 202, 388–90, **5** 67, **6** 159, 246
 Soil Erosion and Rivers Control Council **1** 255
 Soil fertility **1** 118, 121, 122, 144, 153, **4** 67, 379, **5** 144, 278, **6** 279–80
 Soil impoverishment **2** 271, **4** 379
 Soil pollution **1** 21, **6** 158–9
 Sokoke-Arabuko Forest **1** 132
 Solar activity and weather **2** 126
 Solar energy **2** 243, **3** 9
 Solar insolation **4** 328
 Solar ultraviolet radiation **5** 220–1
Solenodon paradoxus (Haitian Solenodon) **1** 282
 Solid waste management **3** 190, **5** 16, 18
 Solifluction **2** 277
 Solomon Islands **1** 159, **5** 91
 Somalia **1** 85, 129, 288
Somateria mollissima (Eider) **1** 277, **2** 300
Sorbus groenlandica **2** 203
 Sosieology **1** 272
 South Africa **1** 193, 196, 278, 322, **2** 18–23, 72, **3** 20, 69, 311–2, **4** 73, 131, **6** 35
 South African Wildlife Foundation **1** 184, 263, **3** 70–1, 311, **4** 73
 South China Sea **1** 259
 South-east Zanzibar **1** 133
 South Flevoland polder **5** 3
 South National River National Park **4** 303
 South Vietnam **4** 322–7
 South West National Park **1** 331
 Southern Africa **3** 87–91

- Space quarantine **2** 169, 178
 Spain **1** 77, 174, 193, 214, 215, 216, 259, **2** 177, **3** 224, **4** 356–9, **5** 72–4, **6** 79–83
 Spanish Imperial Eagle **1** 213
 Spanish Sahara **1** 287
 Spanish West Africa **1** 129
Sparganium erectum **1** 71
 Sparrowhawk: *Accipiter nisus*
Spartina anglica **4** 85
S. bakeri **1** 175
S. townsendii **1** 291–6
 Species competition **6** 163
 Species diversity **3** 191–8, **6** 57–9
Spergularia spp. **1** 293
Sphagnum **2** 286
Spheniscus demersus (Jackass Penguin) **1** 322, **3** 269, 271, 311–2, **4** 73
S. mendiculus **6** 190
Sphenodon punctatus (Tuatara) **1** 161, 162, 314
Spiranthes spiralis **2** 41
 Spitzbergen **1** 216, 248, **2** 197, **4** 150, **5** 155
 Spoonbill: *Platalea leucorodia*
 Spray zone flora and fauna **4** 15–18
 Springbuck: *Antidorcas marsupialis*
 Spruce budworm control **1** 34, 125
 Squirrel, Elsiiana Palm: *Epixerus elsii*
 Squirrel, Tana River: *Paraxerus palliatus tanae*
 Sreberna Reserve **1** 214
 Sri Lanka **5** 88, 147–8, 199–208, **6** 219–22
 Stabilisation and plant colonisation **6** 92
 Stability, ecological **4** 83–7, 169, **6** 163
 Steenbok: *Raphicerus campestris*
 Stem-living animals **1** 227
 Stenohaline organisms **3** 33
Stephanostema stenocarpum **1** 133
 Sterile male technique in pest control **5** 86
Sterna dougalli (Roseate Tern) **6** 224
S. fuscata (Sooty Tern) **2** 226, **5** 236–7
S. hirundo (Common Tern) **3** 269, **4** 68
S. sandvicensis (Sandwich Tern) **4** 68, 119, **6** 222–4
Stevensonia borsigiana **2** 173
 Stickleback: *Gasterosteus aculeatus*
 Stimulation of primary production by pollutants **4** 331–2
 Stoat: *Mustela erminea*
 Stoats **1** 162, 238
Stolzia repens **1** 150
 Stone-stripes **5** 30
 Stork, White: *Ciconia ciconia*
 Storm damage, effects on intertidal organisms **6** 192–7
 Stratospheric nitrogen oxides **4** 221, 327
 Stratospheric ozone **4** 220–2, 327, **5** 220–1
 Stratospheric water vapour **4** 220
Streblorrhiza speciosa **1** 165, 171
 Strensall Common Nature Reserve **2** 286
Streptopelia decaocto (Collared Turtle Dove) **1** 172
S. picturata rostrata **2** 226
S. turtur (Turtle Dove) **4** 71
Streptopus amplexifolius **2** 202
Strix uralensis (Ural Owl) **3** 314
 Strontium **2** 3, 279, **4** 178, 182
Struthio camelus **4** 102
 Strychnine poisoning **4** 120, **6** 95
 Sturgeon: *Acipenser sturio*
Stylosanthus humilis **1** 218
Suaeda maritima **1** 293
 Substrate, effect on animal numbers **2** 270
 Successional change **6** 46
 Succinylcholine chloride **1** 86
Succisa pratensis **1** 41
 Sudan **1** 129, 234, 288, **4** 228–9, **5** 88
 Sukachev, V. A. **1** 110
Sula bassana capensis (Cape Gannet) **1** 323
S. capensis (South African Gannet) **3** 269, 271
S. dactylatra (Booby) **1** 134
S. leucogaster **1** 134
 Sulphite pollution **4** 31–8
 Sulphur dioxide **2** 278–9
 Sultampur Bird Sanctuary **6** 231–2
 Sumatra **6** 20–5
 Sungei Dusun Game Reserve **1** 94
 Sunspot numbers and temperature **2** 126
 Supersonic transport pollution **4** 220–2
 Surface mining **5** 192
Sus salvanius (Pygmy Hog) **1** 284
S. scrofa (Wild Boar) **1** 254, **4** 264
 Swan, Bewick's: *Cygnus bewickii*
 Swan, Hooper **2** 123, **3** 45
 Swan, Mute: *C. olor*
 Swan, Trumpeter: *Olor buccinator*
 Swaziland **1** 184, 232, **6** 73
 Sweden **1** 37, 47, 193, 216, 236, **3** 274, 280, 285–92
 Sweep-netting **1** 227
 Swiss National Park **1** 107, 236, **6** 313–4
 Switzerland **1** 75, 191, 192, 193, **2** 73, **4** 345–54
Sylvia communis (Whitethroat) **1** 146
S. sanda (Marmora's Warbler) **6** 82
S. undata (Dartford Warbler) **6** 303–4
Sylvicapra graminea (Grey Duiker) **5** 254
Syncerus caffer (Buffalo) **1** 158, **2** 194, 297, **4** 201, **5** 130, 253, **6** 46
S. c. brachyceros **5** 253
Synsepalum dulcificum **4** 296
 Synthetic detergents and eutrophication **4** 351
Syrmaticus mikado (Mikado Pheasant) **1** 185, **2** 49
 Szafer, Prof. Wladyslaw **3** 248
 Taita Hills, Kenya **1** 132
 Taiwan **1** 184, 288, **5** 89

- Takahe: *Notornis mantelli*
Talbotiella gentii 4 295
 Taman Negara National Park 1 92, 5 137
 Tamararow: *Anoa mindorensis*
 Tamarin, Goeldi's: *Callinico goeldii*
 Tannins 1 154
 Tanzania 1 131, 148, 156–8, 173, 234, 278, 288, 340,
 4 244, 283, 6 40–5, 73–6, 228–30
Tapirus bairdii (Central American Tapir) 1 286
T. indicus 5 137
T. pinchaque (Mountain Tapir) 1 282, 2 139
T. terrestris (Tapir) 1 97
 Tarangire National Park 1 156
 Tasmania 1 24
 Tatra Mountains 1 152
 Tatras National Park 1 107, 208
Taurotragus derbianus (Western Giant Eland) 1 285
T. oryx (Eland) 2 18–23, 194
Tayassu pecari (Queixada) 3 294, 296
T. tajacus (Peccory) 1 97, 3 294, 296
Tchitreia corvina (Paradise Flycatcher) 4 311–2
 Teak exploitation 3 306
 Teal: *Anas crecca*
 Teal, Brown 1 161
 Technological accidents 1 18
 Technology effects 1 118, 201, 2 187, 224, 3 56, 4 22,
 29–30, 289
Tecleopsis glandulosa 1 130
Tectona grandis 3 306
 Telodrin 1 123
 Temperate rainforest 6 266
 Templer National Park 5 137
Tendipes plumosus 1 74
 Tengman's Owl: *Aegolius funereus*
 Tennessee Valley Authority 3 110, 115
 Teratogenic effects of herbicide impurities 4 326
Terminalia glaucescens 1 133
T. ivorensis 4 294
 Tern, Common: *Sterna hirundo*
 Tern, Common Noddy: *Anous stolidus*
 Tern, Fairy: *A. alba monte*
 Tern, Roseate: *Sterna dougallii*
 Tern, Sandwich: *S. sandvicensis*
 Tern, Sooty: *S. fusca*
Terpsiphone corvina (Paradise Flycatcher) 2 227
 Terrestrial biotic community classification 4 250
 Territory of Papua and New Guinea 1 91
 Tertiary sewage treatment 4 352–4
Testudo sculpta (Box Turtle) 1 97
Tetraceros quadricornis (Chausingha) 4 215
Tetrao urogallus (Capercaillie) 3 314
Tetraogallus caspius (Caspian Snow-cock) 3 43
Tetrastes bonasia 3 314
Teucrium botrys 2 37
 Thailand 1 79, 194, 4 150–1
 Thames, River 1 251, 2 25–30, 4 306–7
Theodoxus pallasi 1 74
 Thermal adaptation 4 186
 Thermal effluent, effects of 4 185–8, 5 214, 6 70
 Thermal pollution 1 35, 4 331–2, 6 70, 159
 Thermocline 4 185
Theropithecus gelada (Gelada Monkey) 1 332, 2 297
 Thika Forest 1 132
Thomomys talpoides (Pocket Gopher) 2 259, 6 90
T. t. fossor 2 100
 THRESHOLD 5 5–6
Threskiornis aethiopicus (Sacred Ibis) 3 67
 Thrush, Song: *Turdus philomelos*
Thymallus thymallus (Grayling) 2 131
Thymus pulegioides 1 41
 Tidal wave disasters 4 38–9
 Tiger: *Panthera tigris*
 Tiger Task Force 6 49
Tilapia 4 261, 301, 5 221–3, 292, 300, 6 295
T. aurea 6 295
T. esculenta 5 304–7
T. galilaea 1 223, 2 93
T. macrochir 1 222
T. melanopleura 6 296
T. melanotheron 6 296
T. mossambicus 6 73, 297
T. nilotica 1 223
T. zillii 1 223, 2 92
 Timber exploitation 1 148, 4 292, 5 135, 6 20, 51
 Timber resources 4 162, 295–6, 5 136
 Toad, Common: *Bufo bufo*
 Toad, Natterjack: *B. calamita*
 Tokelau Islands 1 160
Tokudaia osimensis mueminki (Ryukyu Spring Rat)
 1 288
 Tonga Islands 1 159, 5 93
 Tongariro National Park 1 108
 Toq Toq: *Foudia sechellarum*
 Torrey Canyon 1 18, 291, 321, 2 301, 3 11
 Tortoise, Giant Land: *Geochelone (Aldabrachelys)*
gigantea
 Tortoises, mortality 6 131, 206–7
 Toucan 1 25
 Tourism 1 25, 114, 157, 172, 183, 278, 2 46, 63, 98,
 103, 142, 257, 3 18–19, 53, 113, 199, 226, 232, 253,
 259, 270, 284, 287, 308–9, 314, 4 114, 279–84,
 294–5, 305, 5 4, 12, 130, 139, 266–70, 288, 6 51,
 79, 104, 126, 263, 272, 313–4
 Tourists, effect on birds 3 270–1, 4 68, 6 222
 Tourists, effect on National Parks 6 313–4
 Toxaphene 6 62
 Toxic chemical residues in the environment 1 124,
 125, 174, 206, 2 149, 3 233, 273, 5 16
 Toxic chemicals, accumulation 1 125, 146, 3 117, 120,
 280, 5 295

- Toxic chemicals, in aquatic ecosystems **1** 126, 339, 2 70, 232, **3** 117–20, 246–8, 279–83, 4 33–8, 67, 329–32, **5** 22, 6 215–6
- Toxic chemicals and behaviour **3** 282
- Toxic chemicals, chemical stability **1** 124
- Toxic chemicals, effect on reproductive success **1** 126, 174, **2** 232, **3** 237, 273, 281, 4 373–7, **5** 181–4
- Toxic chemicals and human health **4** 326, **5** 16
- Toxic chemicals and invertebrates **2** 281, **3** 117, 142, 264–8
- Toxic chemicals in oceans **1** 127, **2** 232, **3** 10, 273
- Toxic chemicals, persistence **3** 272
- Toxic chemicals, residues in human food **1** 206, **3** 279, **4** 326, **6** 77
- Toxic chemicals, solubility **1** 124
- Toxic chemicals, sublethal effects **1** 124, 126, 201–2, 206, **3** 281
- Toxicological testing **1** 202
- Trade in wildlife **2** 109, 177, 291–2, 307, **3** 46, 133, 218, 236, 292, 293–7, 308, **4** 73, 218, 219, **5** 9, 139, 298–9, **6** 49, 64, 71–3, 126, 186
- Traditional agriculture **4** 378, **6** 303
- Traditional hunting **2** 51, **5** 9
- Tragelaphus buxtoni* (Mountain Nyala) **1** 332, **2** 295
- T. imberbis* (Lesser Kudu) **5** 129
- T. scriptus* (Bushbuck) **2** 190, **5** 254
- T. spekei* (Sitatunga) **5** 254
- T. strepsiceros* (Greater Kudu) **2** 18–23, 297, **3** 67, **3** 148
- Trail Ridge, Rocky Mountains National Park **2** 98–103, 257–65, **3** 181, **6** 84
- Trampling, effects of **1** 168, 225, **2** 258–9, **3** 53, 182–9, 286, **4** 51, 202, 206, 379, **5** 25–32, 288, **6** 304
- Transhumance **4** 45
- Translocation of endangered species **2** 309, **3** 44, **4** 149, **6** 11
- Transplanting (animals) **3** 23, 255, **6** 113
- Transplanting (plants) **1** 257, **4** 51, 137
- Trapping techniques **4** 206, **5** 270–4, **6** 61–2, 181
- Tree-Kangaroo **1** 182
- Tremarctos ornatus* (Berspectacled Bear) **1** 97
- Trichechus inunguis* (Amazonian Manatee) **1** 281
- T. manatus manatus* (Manatee, Sea-cow) **1** 97
- T. senegalensis* (West African Manatee) **1** 282, **2** 70, **6** 33
- Tricholimnas sylvestris* (Lord Howe Island Woodhen) **6** 263–4, 268, 270
- Trichoniscus pusillus* **1** 229
- Trichosurus vulpecula* (Brush-tailed Possum) **3** 125
- Trifolium dasyphyllum* **2** 259, **3** 184–5
- T. occidentale* **4** 56
- Triglochin maritima* **1** 293
- Trinidad **2** 213–7, 258–62
- Triturus cristatus* (Crested Newt) **5** 20–4
- T. helveticus* (Palmate newt) **5** 20–4
- T. vulgaris* (Common Newt) **5** 20–4
- Tropic Bird, Red-tailed **1** 170
- Tropical agriculture **1** 16
- Tropical cyclone effects **6** 143–52
- Tropical eastern Pacific **3** 35
- Tropical lakes **1** 219
- Tropical rainforest **1** 132, 181, 197, 204, 251, **3** 191, 295, **4** 74, 297, **5** 68, 133–40, **6** 20, 103
- Tropicurus albocristatus* (White-crested Long-tailed Hornbill) **1** 131
- Trout, Rainbow: *Salmo gairdneri*
- Trout, Sea: *S. trutta*
- Tsavo National Park **1** 107, **5** 123–32
- Tsitsikama Coastal National Park **2** 72
- Tuatara: *Sphenodon punctatus*
- Tubificidae **3** 266
- Tuna **1** 127, **5** 52–3
- Tundra ecosystems **1** 204, **2** 100–2, 149, 197, 257–65, 278–9, **3** 53, 141, 180, 189, 276, 306, **4** 71, 287, 371
- Tunisia **1** 77, **4** 356
- Tupman Elk Reserve **3** 23
- Turaco, Great Blue: *Corythaëola cristata*
- Turbine mortality in fish **5** 109–10
- Turdus iliacus* (Redwing) **1** 146
- T. merula* (Blackbird) **1** 146
- T. migratorius* (American Robin) **1** 125
- T. philomelos* (Song Thrush) **1** 146
- T. pilaris* (Fieldfare) **1** 146
- T. torquatus* (Ring Ouzel) **3** 314
- Turkey **1** 115, 194, 208, 214
- Turkey, Brush **1** 182
- Turtle, Atlantic Ridley: *Lepidochelys kempi*
- Turtle, Australian Flatback: *Chelonia depressa*
- Turtle, Box: *Testudo sculpia*
- Turtle, Green Sea: *Chelonia mydas*
- Turtle, Hawksbill: *Eretmochelys imbricata*
- Turtle, Leatherback: *Dermochelys coriacea*
- Turtle, Leathery: **1** 92
- Turtle, Loggerhead: *Caretta caretta*
- Turtle nesting **2** 13
- Turtle, Pacific Ridley: *Lepidochelys olivacea*
- Turtle, River: *Podocnemis expansa*
- Turtle, slaughtering **5** 115–6
- Tyne, River **1** 253–4
- Typha* **1** 222
- T. domingensis* **1** 175
- Tyto alba affinis* (Cape Barn Owl) **2** 227
- UK Nuffield Science Project **1** 29
- UN Conference on Human Environment **3** 244, **4** 2, 26, 27, 75, 81–2, 88, 108, 127, 177
- UN List of National Parks and Equivalent Reserves **1** 15

- UN Scientific Committee on Effects of Atomic Radiation **2** 2
- UNESCO **1** 13–19, 26, 34, 79, 104, 108, 136, 138, 141, 165, 194, 195, 196, 241, 242, 276, **2** 105, 168, 243, 295, **4** 1, 38, 108, **6** 172
- UNSCEAR **4** 177–84
- US Biological Sciences Curriculum Study **1** 29
- US Fish and Wildlife Service **1** 175
- US National Park Service **1** 194, **3** 181, 286–9, **4** 243
- US National Science Foundation **4** 65
- US National Wild and Scenic Rivers System **2** 62
- US National Wildlife Federation **2** 184
- US Soil Conservation Service **1** 35
- USA **1** 118, 121, 125, 129, 138, 157, 158, 174, 175, 192, 193, 194, 195, 256, 289, 340, **2** 12, 115, 133, 177, 178, 231, 253, 273–7, 284, 291–2, **3** 107–12, 150, 153, 190, 215, 246–7, 268, 279, 282, 285–92, 294, **4** 73, 97–100, 101, 126, 152–3, 285–91, 291, 322–7, 327–8, 369–71, 376, 395, **5** 3, 151–2, 155, 160–2, 230–1, 296, **6** 71, 76–8, 179–83, 274–84, 292–302
- Uele National Park **1** 107
- Uganda **1** 131, 132, 133, 148, 149, 186, 277, **3** 312–3, **4** 152, 196, **6** 35
- Ujong Kulong Reserve **1** 197, **2** 68, 308, **3** 246, **4** 308–9
- Ukraine **1** 37
- Ulcerative dermal necrosis **2** 129–32
- Ulex europaeus* **4** 379–80, **6** 303–6
- Ulla Ulla National Nature Reserve **4** 306
- Ultraviolet radiation in man **5** 220–1
- Ulugura Mountains **1** 133
- Uncaria africana* **1** 132
- Underwater hunting **5** 270, **6** 178, 191
- Underwater reserves **1** 53, 89, **5** 270
- ‘Undeveloped’ rivers **3** 112
- United Nations **1** 223, 276, **2** 105, **2** 244, **4** 26, **5** 55–7, 208
- United Nations Volunteers **5** 113
- University of Alberta **1** 169
- Untreated waste disposal **5** 106–7
- Upper Teesdale **4** 109, 383
- Ural: *Ovis ammon*
- Urban development **4** 29, 94, 305, **5** 2, 23, 135, 259, **6** 67, 82, 258–62
- Urban wildlife **1** 166
- Ure-ox: *Bos primigenius*
- Uria aalge* (Common Guillemot) **1** 323, **4** 145
- Ursus americanus* (Black Bear) **1** 97, **2** 115, **4** 310, **6** 99
- U. arctos* (Brown Bear) **3** 43, **4** 98–9, 263–72
- U. a. horribilis* (Grizzly Bear) **1** 336, **2** 115, **4** 99, **6** 99
- U. a. syriacus* (Syrian Brown Bear) **1** 289
- U. a. yezoensis* **5** 282, 284
- U. maritimus* (Polar Bear) **1** 14, 21, 113, 248, **2** 115–9, 147–9, 313, **3** 154, **4** 97–8, **5** 57, 155, **6** 234
- U. neboni* (Mexican Grizzly Bear) **1** 286
- U. richardsoni* **1** 165
- Uruguay **1** 218
- Uta stansburiana* (Side-blotched Lizard) **6** 179
- Utricularia* **1** 74
- U. inflexa* **4** 67
- U. inflexa* var. *stellaris* **4** 217
- Uvarioidendron anisatum* **1** 132
- Vallee de Mai National Park **5** 314
- Vallonia excentrica* **1** 230
- Vanellus vanellus* (Lapwing) **1** 146
- Vanessa cardui* **3** 193, 195
- Vanilla zanzibarica* **1** 133
- Vanoise National Park **2** 142, **3** 106, **4** 144
- Varanus niloticus* (Water Leguaan) **2** 192
- Vateria seychellarum* **2** 173
- Vegetation classification **1** 58, **4** 248, 293, **6** 3–6, 79–83, 104
- Vegetation, effects of climate **3** 47, 94, 182, 184–9, 275, **4** 43, 54, 367, **5** 100, 200, **6** 90, 267
- Vegetation, effects of cutting **2** 38, **4** 380
- Vegetation explosion **1** 221
- Vegetation mapping **1** 58, **3** 182, **4** 24, 197, 248, **6** 3–6, 244, 304
- Vegetation sampling **2** 257, **6** 246
- Vegetation structure **1** 227, **4** 248
- Vehicles, effect on ecosystems **2** 262, **3** 180, 182, 202, 277, **4** 388, **5** 196–8, 266–8, **6** 84, 179–83
- Veld **5** 100
- Vellozia* **1** 133
- Venezuela **1** 95, 96
- Vereeniging to Behous van Natuurmonumenten **1** 107
- Veronica filiformis* **4** 44
- Verschaffettia splendida* **2** 173, **5** 316
- Vetiveria nigriflora* **2** 192
- Viburnum lantana* **2** 41
- Vicugna vicugna* (Vicuna) **1** 287, **3** 308, **4** 306, **5** 224–5
- Vietnam **2** 149
- Vini ultramarina* (Ultramarine Lorikeet) **5** 231
- Viola canina* **2** 203
- Viola hirta* ssp. *calcarea* **1** 41
- Virunga National Park **4** 397, **6** 170
- Visual pollution **6** 159
- Vitex* **1** 133
- Viverra civetta* (Civet) **5** 254
- V. megaspila civettina* (Malabar Civet) **1** 283
- Volcan Baru National Park **6** 102–5
- Volcanic islands **1** 159, 170, **5** 282–3, **6** 119, 265
- Volcanic soils **4** 201
- Volcano National Park **4** 194–204
- Vole, Block Island Meadow: *Microtus pennsylvanicus provecus*
- Vole, Meadow: *M. pennsylvanicus*
- Vossia* **1** 222

- Vulpes vulpes* (Fox) **2** 268, **4** 120, 264, 310, **6** 314
V. v. schrenki (Ezo Fox) **5** 285
 Vulture, Bearded: *Gypaetus barbatus*
 Vulture, Black: *Aegypius monachus*
 Vulture, Egyptian: *Neophron percnopterus*
 Vulture, Griffon: *Gyps fulvus*
- Wabiti **1** 255
 Wadden Sea **5** 74–5
 Wadis **4** 20
 Wallaby **1** 182, 255
 Wallaby, Rock: *Petrogale lateralis*
 Wallaby, Spectacled Hare: *Lagorchestes conspicillatus*
 Walrus **1** 14
 Walrus, Pacific: *Odobenus rosmarus*
 Wankie National Park **1** 107, **4** 169, **5** 59
 Warbler, Dartford: *Sylvia undata*
 Warthog: *Phacochoerus aethiopicus*
 Waste treatment and disposal **1** 258, **2** 276, **3** 111, **4** 36, 347, **5** 15
 Waste-water purification **4** 347–8
 Wastelands, use of **1** 152
 Water catchment **4** 201–2
 Water conservation **1** 16, 95, **2** 122, **5** 35
 Water Dikkop: *Burhinus vermiculatus*
 Waterbuck: *Kobus defassa*
 Waterbuck: *K. ellipsiprymnus*
 Waterfowl **1** 258, **2** 24, 253, **3** 44–5, 66, 115, 305–6, **5** 60, 311–3
 Water Hog: *Hydrochoerus hydrochaeris*
 Water-intake of macropods **3** 127
 Water-meadows **3** 101–6
 Water-meadows as wildlife habitats **3** 105
 Water pollution **2** 25–30, 35, 122, 243, **3** 58, 111, 157, 246–7, 264–8, 304, **4** 29–30, 32–8, 306–7, 345–54, **5** 15, 95, 105–13, **6** 7, 12, 157–8
 Water quality control **6** 158
 Water-quality management **5** 111
 Water-quality standards **3** 282, **4** 112, 345–54, **5** 111
 Water resources **1** 43, 255, **2** 107, **3** 107–12, 247, **4** 18–25, 29–30, 109–16, 196, 308, **5** 112
 Water storage **1** 16, 222, **3** 102, **4** 110, 185, **5** 292, **6** 13
 Weather modification **1** 35, **4** 21
 Weed control **1** 222, **4** 218, **5** 295
 Weeds as food plants **3** 192
 Weka **1** 162, 163
 Welney Wildfowl Reserve **3** 245
 West Africa **1** 131, **6** 33
 West Indies **6** 184–7
 Western Grebe: *Aechmophorus occidentalis*
 Whale, Blue: *Balaenoptera musculus*
 Whale, Fin: *Balaenoptera physalis*
 Whale, Humpback: *Megaptera nodosa*
 Whale, Minke: *Balaenoptera acutorostrata*
 Whale, Sei: *B. borealis*
 Whale, Sperm: *Kogia breviceps*
 Whale, Sperm: *Physeter catodon*
 Whales **1** 14, 21, 204, 277, **4** 232–3, 335–44, **5** 55–7
 Whales, sustainable yield **4** 339–43
 Wheat bulb fly: *Leptohylemyia coarctata*
 Whitefront: *Anser albifrons*
 Whitethroat, Common: *Sylvia communis*
 Wicken Fen **1** 32
 Wigeon: *Anas penelope*
 Wild Ass, Indian: *Equus hemionus khur*
 Wild Ass, Nubian: *E. asinus africanus*
 Wild Ass, Persian: *E. hemionus onager*
 Wild Ass, Somali: *E. asinus somalicus*
 Wild communities **2** 163
 Wild dog: *Lycaon pictus*
 Wildebeest, Black: *Connochaetes gnou*
 Wilderness areas **2** 121, 141, **3** 234, 285, 289, 290, **4** 310, **5** 69–72
 Wildfowl and agriculture **2** 206–12
 Wildfowl conservation **3** 217–9
 Wildfowl Trust **2** 206
 Wildlife appeals **1** 22
 Wildlife and domestic stock **3** 24, **4** 391, **5** 12, 103, **6** 34, 171, 268
 Wildlife films **1** 157
 Wildlife outside nature reserves **1** 206, **2** 115–9
 Wildlife Parks **3** 37–45
 Willem Pretorius Game Reserve **3** 235
 Wimbledon Common **1** 167
Withania somnifera **1** 233
 Wolf: *Canis lupus*
 Wolf, Maned: *Chrysocyon brachyurus*
 Wolverines **1** 183, **2** 123, **4** 98
 Wood pulp wastes **4** 32–3
 Woodcock, American: *Philohela minor*
 Woodhen, Lord Howe Island: *Tricholimnas sylvestris*
 Woodpecker, Three-toed: *Picoides tridactylus*
 Woodwalton Fen National Nature Reserve **5** 274
 World Federation for Protection of Animals **2** 62
 World Health Organisation **1** 241, **2** 298, **3** 167, 207, 215, **5** 219
 World Heritage Foundation **4** 108
 World Meteorological Organisation **4** 176
 World Wildlife Fund **1** 13–19, 54, 83, 84, 90, 94, 137, 173, 174, 176, 177, 179, 193, 197, 223, 247, 248, 251, 259, 317, 335, **2** 68, 139, 177, 244, 305, **3** 85–7, 222, 233, 243–6, 311, 312–3, **4** 74, 165, 168, 219, 223, 262, 313, 387, **5** 150, **6** 20, 175
 Wren **1** 163
 Wroclaw Province **1** 153
- Xylopiia arenaria* **1** 133

- Yankari Game Reserve **1** 339
 Yellow fever virus **1** 131
 Yellowhammer: *Emberiza citrinella*
 Yellowstone Park **1** 81, 106, 108, 157, **2** 253, 254,
 3 244, 286
 Yorkshire Naturalists' Trust **2** 285-91
 Yosemite National Park **1** 157, **3** 286, 287
 Yugoslavia **1** 214, 215
 Yumbarra National Park **1** 331

 Zaire **4** 397
 Zakouma National Park **2** 139

 Zambezi **1** 221, 222, **2** 189-96
 Zambia **1** 115, 222, **3** 177, **6** 35, 134-42
 Zanzibar **4** 129
 Zebra: *Equus burchelli*
 Zero Population Growth **3** 71, 215, 268, **4** 288
 Zielona Góra Province **1** 153
 Zoos **2** 47-9, 140, 255, **3** 168, 235, **4** 101, **5** 249, **6** 21,
 113, 186, 211
Zostera **1** 73, 75
Z. marina **6** 57
 Zuidersee **5** 3
Zygodontomys cf breviceauda **5** 227

CONFERENCES AND MEETINGS

Conferences and Meetings

- African Hydrobiologists, Regional Meeting held at Makerere University, Kampala, Uganda, 20-24 May 1968 1 100
- African Trypanosomiasis, Joint FAO/WHO Expert Committee Meeting in Geneva, Switzerland, 25-30 November 1968 1 265
- Agriculture, International Seminar on Change in, held at the University of Reading, England, 3-14 September 1968 1 261
- Alaska Science Conference, Twentieth, held at the University of Alaska, College, Alaska, 24-27 August 1969 2 315
- Arctic Ocean, Conference held at Ditchley Park, Oxfordshire, England, 14-17 May 1971 4 157
- Arid Lands in a Changing World, an International Conference Sponsored by the American Association for the Advancement of Science held at the University of Arizona, Tucson, Arizona, 3-13 June 1969 2 153
- Biology of Whales, International Conference held at Skyland, Luray, Virginia, 10-12 June 1971 4 232
- Biosphere, the Intergovernmental Conference of Experts on the Scientific Basis for Rational Use and Conservation of the Resources of the, held at UNESCO Headquarters, Paris, France, 4-13 September 1968 1 187
- Bird Preservation, Fourth Meeting of the Asian Continental Section of the International Council held at Bharatpur, India, 2-4 December 1969 3 154
- Bird Preservation, XV World Conference of the International Council for Bird Preservation held at De Koog, Texel, The Netherlands, 6-11 September 1970 3 157
- Botanical Congress, Eleventh International, held at Seattle, Washington, 24 August to 2 September 1969 2 154
- Canadian National Parks, Today and Tomorrow, Conference held at Calgary, Alberta, 9-15 October 1968 1 262
- Civilization Diseases, Nutrition, Environment, and Living Conditions, Seventeenth International Convention held at the Palace Hotel, Montreux, Switzerland, 6-12 September 1971 4 233
- Commonwealth-State Co-operation in the Conservation of Australia's Flora and Fauna, Ministerial Conference held at Canberra, 29 July 1969 2 237
- Conservation of Nature and Restoration of the Natural Environment of Man, Symposium held at Rio de Janeiro, Brazil, 26-31 October 1968 1 100
- Conservation des Ressources de la Sauvagine, Réunion Régionale Internationale pour la, Leningrad, du 25-30 Septembre 1968 1 346
- Conservation of Wetlands and Waterfowl, International Conference held at Ramsar, Iran, 30 January-3 February 1971 4 76
- Development and Conservation of the Countryside, Conference held at the University of Hong Kong, 15-22 March 1969 2 235
- Diseases of Fish, Symposium held at the Zoological Society of London, Regents Park, 20-21 May 1971 4 232
- Ecological Aspects of International Development, Conference held at Airlie House, Warrenton, Virginia, 8-11 December 1969 2 311
- Ecological Methodology and Conservation in Southeast Asia, UNESCO Regional Seminar held at Bangkok, Thailand, 11-17 December 1969 3 78
- Ecology as a Guide to Social Change, a Symposium held at Yale University School of Forestry, New Haven, Connecticut, 14-18 July 1969 2 153
- Energy, Man and the Environment, Symposium held at the Gottlieb Duttweiler Institute for Economic and Social Studies, Rüschlikon near Zurich, Switzerland, 3-5 February 1972 4 316
- Environmental Conservation Education, European Working Conference held at the Gottlieb Duttweiler Institute, Rüschlikon, Switzerland, 15-18 December 1971 4 235

- Environmental Disruption—a Challenge to Social Scientists, International Symposium held mainly in Tokyo, Japan, 9–16 March 1970 3 315
- FAO African Wildlife Working Party held at Lomé, Togo, 15–18 January 1969 1 349
- Fire in the Northern Environment, a Symposium held in College (Fairbanks), Alaska, 14–15 April 1971 4 155
- Forestry Conference, Conservational Aspects of the Ninth Commonwealth, held at New Delhi, India, January 1968 1 98
- Game Biologists, Ninth International Congress held at Moscow, USSR, 15–19 September 1969 3 72
- Game Conservation and Wildlife Management, International Conference held at Monte Carlo, Monaco, 15–20 December 1968 1 266
- Global Effects of Environmental Pollution, a Symposium held during the Annual Meeting of the American Association for the Advancement of Science, Dallas, Texas, 26–31 December 1968 1 348
- Golden Delta, Symposium held at Ghent State University, Belgium, 24 November 1971 4 316
- Human Environment: Second Session, Preparatory Committee for the United Nations Conference held at the Palais des Nations, Geneva, Switzerland, 18–19 February 1971 4 75
- Identification and Measurement of Environmental Pollutants, International Symposium held at the National Arts Centre, Ottawa, Canada, 14–17 June 1971 4 233
- Improvement of Cultural Landscapes, Cracow, Poland, 7 October 1971, First Meeting of the Committee on the 4 313
- Indicators of Environmental Quality, Symposium held during the AAAS Meeting in Philadelphia, Pennsylvania, 27–28 December 1971 4 317
- IUCN, Tenth General Assembly and Eleventh Technical Meeting held at New Delhi, India, 24 November–1 December 1969 3 76
- Malaysian Crop Protection Conference held at the Federal Hotel, Kuala Lumpur, 14–17 October 1970 3 317
- Man and the Biosphere (MAB), UNESCO, Paris, 9–19 November 1971, First Session of the International Co-ordinating Council for the Programme on 4 314
- Man and Environment, Conference Sponsored by the Department of Chemical, Geological and Biological Sciences of the Estonian Academy of Sciences held in Tallinn, Estonia, 26–27 November 1970 3 317
- Man and Nature in the City, Symposium held at Washington, D.C., 21–22 October 1968 2 151
- Man-made Lakes: their Problems and Environmental Effects, International Symposium held at the University of Tennessee Centre, Knoxville, Tennessee, 3–7 May 1971 4 156
- Marine Turtle Specialist Group of the Survival Service Commission, Meeting held at IUCN Headquarters, Morges, Switzerland, 8–10 March 1971 4 77
- Marine Turtle Specialists, Working Meeting of, held at IUCN Headquarters, Morges, Switzerland, 10–13 March 1969 2 234
- Mercury in Man's Environment, Symposium held by the Royal Society of Canada in the National Library, Ottawa, 15–16 February 1971 4 155
- Mid-Canada Development Corridor Conference, First Session held at Lakehead University, Port Arthur, Ontario, 18–22 August 1969 2 314
- Natural Rubber Conference held at Kuala Lumpur, Malaysia, 25 August–5 September 1968 1 260
- Oil Palm Conference, Second Malaysian, held at Kuala Lumpur, Malaysia, 14–16 November 1968 1 264
- Old Grassland: its Archaeological and Ecological Importance, Symposium held at Monks Wood Experimental Station, Abbots Ripton, England, 18–19 November 1969 3 75
- Optimum Population for Britain, a Symposium Convened by Dr L. R. Taylor on behalf of the Institute of Biology, held at London, England, 25–26 September 1969 2 155
- Our Changing Environment, Ecological Conference Presented by the Natural Sciences Guild of the Oakland Museum Association, Oakland, California, 26–27 September 1969 3 74
- Pacific Shores—Doomed? a Symposium of the Western Society of Naturalists held at Corvallis, Oregon, 27–28 December 1968 2 152

- Plant Pathology: Some Aspects of Interest to Conservationists, International Congress held in London 14–28 July 1968 **1** 186
- Polar Bear Research and Management in Canada, Inaugural Meeting of the Administrative Committee for, held at Edmonton, Alberta, 7 July 1969 **2** 313
- Polar Bear Specialists, IUCN's First Working Meeting of, held at IUCN Headquarters, Morges, Switzerland, 29–31 January 1968 **1** 99
- Polar Bear Specialists, IUCN's Second Working Meeting of, held in Morges, Switzerland, 2–4 February 1970 **3** 154
- Pollution des Mers par les Hydrocarbures, Conference Internationale sur la, Rome, Italie, 7–9 Octobre 1968 **1** 261
- Prevention of Pollution, Contribution of the Petroleum Industry to the, Meeting held at Brighton, Sussex, 4–7 June 1968 **1** 100
- Processes and Problems of Seeking Conservation, a Symposium Convened by and held at the Centre for Continuing Education, Australian National University, Canberra, Australian Capital Territory, 26–28 June 1970 **4** 153
- Rational Use and Conservation of Nature, International Conference held at the University of Tananarive, Madagascar, 7–11 October 1970 **3** 315
- Scientific Management of Plant and Animal Communities for Conservation, an International Symposium of the British Ecological Society held at the University of East Anglia, Norwich, Norfolk, England, 7–9 July 1970 **4** 154
- Scientific Management of Animal and Plant Communities for Conservation, a Symposium held at the University of East Anglia, Norwich, Norfolk, England, 7–9 July 1970 **2** 156
- Snow and Ice in Relation to Wildlife and Recreation, Symposium held at Iowa State University, Ames, Iowa, 11–12 February 1971 **4** 77
- Sustained Production from Semi-arid Areas with Particular Reference to Botswana, Conference held in Gaborone, 11–15 October 1971 **4** 234
- Technological Progress and Nature Conservation under Existing Conditions in the Estonian SSR, Conference held in Tallinn, Estonia, 28–29 October 1970 **3** 317
- Upland Catchment Management Conference, held at Attingham Park, near Shrewsbury, England, 28–31 October 1968 **1** 263
- Water Pollution Control in Cold Climates, International Symposium held at College (Fairbanks), Alaska, 22–23 July 1970 **3** 157
- Weather Modification, First National Conference on, held at Albany, New York, 28 April–1 May 1968 **1** 344
- Weed Control Conference, Ninth British, held at Brighton, Sussex, 18–21 November 1968 **1** 347
- Wetlands Conservation in Western Asia, IUCN Ecology Commission's Technical Meeting held in Turkey, October 1967 **1** 97
- World Wildlife Fund, Lausanne, Switzerland, 11 September 1971, Tenth Anniversary Celebrations of the **4** 313
- World Wildlife Fund, Second International Congress held at the Royal Garden Hotel, London, 17–18 November 1970 **4** 74

S900
B5
Index
v. 1-6

LIBRARY USE ONLY

LIBRARY USE ONLY

